

# Purchase Area Occupational Outlook to 2014

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Fulton  
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Education Cabinet  
Department for Workforce Investment  
Office of Employment and Training



**Purchase Area  
Occupational Outlook to 2014**

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Governor**

**Laura E. Owens, Secretary  
Kentucky Education Cabinet**

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## PREFACE

The information and projections contained in this publication are based on a broad range of labor market information and statistics that are collected and analyzed by the staff of the Labor Market Information (LMI) section.

The Occupational Employment Statistics (OES) survey of approximately 20,000 Kentucky employers provided the occupational employment data used in the study. The data obtained from the Current Employment Statistics (CES) and the Quarterly Census of Employment and Wages (QCEW) programs were used to project industries to the year 2014. Staff utilized data from all programs to project the 2014 occupational outlook publications for each of the ADDs below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyrile Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The U.S. Department of Labor (USDOL), Employment and Training Administration (ETA) provided funding for the publication and projections. The national industry and occupational projections developed by the U. S. Department of Labor, Bureau of Labor Statistics (BLS), were used in conjunction with state and regional trends to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis, provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the projections. Special thanks to Kentucky employers who completed the questionnaires that provide the employment information necessary to complete this project.

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## INTRODUCTION

### Purchase Area

Which jobs will be in demand? Which occupations will provide the largest number of job openings? Which are likely to grow or decline? The *Purchase Area Occupational Outlook to 2014* offers answers and insight regarding these often-asked questions. Students, job seekers, counselors, and others will find this information beneficial.

Tables listing the 45 occupations with the largest number of annual job openings and the fastest-growing occupations are included. They also provide occupational employment projections, the number and percentage of expected change, and the average number of annual job openings for the period 2004 to 2014.

Please note that the estimates and projections are subject to limitations that are a part of any effort to determine future conditions. Long-term job trends offer insight into the occupational growth or decline in the area. The projections are carefully prepared using accepted methods within a framework of national, state and area assumptions. However, they will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2004 through 2014. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

The development and utilization of our human resources is always a priority for those concerned with employment training. It is crucial that education and training planners, business, labor, government, and job seekers have the necessary occupational information to aid them in the development of education and training programs. This publication was intended to assist in these efforts.

**NOTE:** Prior to 2000, the Occupational Employment Statistics (OES) codes were used to classify occupations. The 2004-2014 projections use the Standard Occupational Classification (SOC) system. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different from those used before 2000. Several major groups have been renamed, combined, or reorganized. Some individual occupations have been renamed, reclassified, or are no longer listed. Many newer occupations may be listed for the first time. Because of these changes, the 2004-2014 projections are not comparable to those completed before 2000. Information on the SOC system is available on the U.S. Bureau of Labor Statistics SOC Home Page <http://www.bls.gov/soc/home.htm>.

## **PURCHASE HIGHLIGHTS 2004-2014**

- ✓ Employment is projected to grow from 93,626 to 103,749 a gain of 10.8 percent.
- ✓ Total annual job openings are expected to be about 3,422.
- ✓ Growth in employment will create about 1,122 job openings annually.
- ✓ Approximately 2,300 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Thirty-three percent of job openings will result from growth; the remaining 67 percent will result from separations from the labor force.
- ✓ The greatest number of annual job openings will be in Food Preparation and Serving Related Occupations (485), followed by Sales and Related Occupations (435), and Office and Administrative Support Occupations (398).
- ✓ Occupations with the largest percentage change are Network Systems and Data Communications Analysts (55.3%), Database Administrators (48.8%), Computer Software Engineers (40.6%) and Medical Assistants (38.3%).
- ✓ The largest growth rates are likely to be in Computer Specialists Occupations (31.2%), Postsecondary Teacher Occupations (30.0%), and Other Healthcare Support Occupations (26.5%).
- ✓ The two occupations with the largest number of annual job openings are Retail Salespersons (160) and Combined Food Preparation and Serving Workers (142).

## USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?	<b>1)</b> Total average annual job openings and <b>2)</b> employment change expressed as a percentage. The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.
What creates job openings?	<b>1)</b> Employment growth (new jobs), <b>2)</b> employment separations (job vacancies created by persons separating from an occupation).
What causes employment change?	<i>Industrial growth or decline</i> has the greatest influence. This occurs when the demand for goods and services rises, thus the demand for workers increases. <i>Technological change</i> may raise the demand for some skills while eliminating the demand for others. <i>Self-service, out-sourcing, or 24 hour operations</i> can also affect employment change.
What about employment separations?	Employment separations are still important when evaluating the potential outlook for an occupation. Job openings are created when employees separate from occupations because of retirements, promotions, career changes, death, etc. The number of separations can exceed new jobs.
Do workers tend to leave one occupation more than other occupations?	Every occupation has a different rate of employment separations. Occupations requiring more education and training and/or having a high percentage of full time workers tend to have low separation rates. Those requiring little education and/or training tend to have higher separation rates.
What factors affect the number of job openings for an occupation?	<b>1)</b> The number of workers who are currently employed, <b>2)</b> the number of job vacancies created by worker separation, and <b>3)</b> the rate of change, i.e., how fast the occupation is growing or declining.
Which factor is more important?	The size of employment and separation rate is more important than rate of change.
What is the best way to compare one occupation with another?	Look at the total average annual job openings, not just openings resulting from growth. A large number of openings indicates it should be relatively easy to find a job in that occupation. Also, consider the rate of employment change. A high percentage increase denotes there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

**Top 45  
Purchase Area Occupations With The Most Annual Job Openings**

Occupation Code	Occupational Title	Job Openings Average Annual 2004-2014		
		Growth	Separations	Total
<b><u>Management Occupations</u></b>				
11-1021	General & Operations Mgrs.	18	27	<b>45</b>
11-9051	Food Service Mgrs.	13	8	<b>21</b>
<b><u>Business and Financial Operations Occupations</u></b>				
13-2011	Accountants & Auditors	11	8	<b>19</b>
<b><u>Education, Training and Library Occupations</u></b>				
25-3099	Teachers & Instructors, All Other	18	9	<b>27</b>
25-2021	Elem. School Teachers, Ex. Special Education	10	15	<b>25</b>
25-9041	Teacher Assistants	12	13	<b>25</b>
<b><u>Healthcare Practitioners and Technical Occupations</u></b>				
29-1111	Registered Nurses	36	37	<b>73</b>
29-2061	Licensed Practical & Licensed Voc. Nurses	6	17	<b>23</b>
<b><u>Healthcare Support Occupations</u></b>				
31-1012	Nursing Aides, Orderlies & Attendants	15	18	<b>33</b>
<b><u>Food Preparation and Serving Related Occupations</u></b>				
35-3021	Combined Food Prep. & Serving Workers	51	91	<b>142</b>
35-3031	Waiters & Waitresses	40	83	<b>123</b>
35-2014	Cooks, Restaurant	19	24	<b>43</b>
35-1012	Mgrs. of Food Preparation & Serving Workers	18	17	<b>35</b>
35-2011	Cooks, Fast Food	13	15	<b>28</b>
35-2021	Food Preparation Workers	10	18	<b>28</b>
35-2012	Cooks, Institution & Cafeteria	2	19	<b>21</b>
35-3011	Bartenders	4	15	<b>19</b>
<b><u>Building and Grounds Cleaning and Maintenance Occupations</u></b>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	27	35	<b>62</b>
37-2012	Maids & Housekeeping Cleaners	7	19	<b>26</b>
<b><u>Personal Care and Service Occupations</u></b>				
39-9011	Child Care Workers	29	33	<b>62</b>
<b><u>Sales and Related Occupations</u></b>				
41-2031	Retail Salespersons	47	113	<b>160</b>
41-2011	Cashiers	10	121	<b>131</b>
41-1011	Mgrs. of Retail Sales Workers	14	26	<b>40</b>
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	10	19	<b>29</b>
41-2021	Counter & Rental Clerks	7	16	<b>23</b>



**Top 45  
Purchase Area Occupations With The Most Annual Job Openings**

Occupation Code	Occupational Title	Job Openings		
		Average Annual 2004-2014		
		Growth	Separations	Total
<u>Office and Administrative Support Occupations</u>				
43-5081	Stock Clerks & Order Fillers	0	40	40
43-9061	Office Clerks, General	4	33	37
43-4171	Receptionists & Information Clerks	14	20	34
43-3071	Tellers	3	29	32
43-6011	Executive Secretaries & Admin. Assistants	6	20	26
43-3031	Bookkeeping, Accounting & Auditing Clerks	2	23	25
43-4051	Customer Service Representatives	14	10	24
43-6014	Secretaries, Ex. Legal, Medical & Executive	0	24	24
43-1011	Mgrs. of Office & Admin. Support Workers	3	19	22
<u>Farming, Fishing, and Forestry Occupations</u>				
45-2092	Farmworkers & Laborers, Crop, Nursery	0	19	19
<u>Constructing and Extraction Occupations</u>				
47-2031	Carpenters	13	13	26
<u>Installation, Maintenance and Repair Occupations</u>				
49-9042	Maintenance & Repair Workers, General	6	26	32
49-3023	Automotive Service Technicians & Mechanics	6	15	21
<u>Production Occupations</u>				
51-2092	Team Assemblers	0	45	45
51-9198	Helpers--Production Workers	7	17	24
51-1011	Mgrs. of Production & Operating	3	19	22
51-3022	Meat, Poultry & Fish Cutters & Trimmers	8	12	20
<u>Transportation and Material Moving Occupations</u>				
53-3032	Truck Drivers, Heavy & Tractor-Trailer	45	43	88
53-7062	Laborer & Freight, Stock & Material Mover, Hand	10	64	74
53-3033	Truck Drivers, Light or Delivery Services	13	8	21

**Top 45  
Fastest Growing Purchase Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<b><u>Management Occupations</u></b>						
11-3021	Computer & Information Systems Mgrs.	77	100	23	29.9	3
11-3041	Compensation & Benefits Mgrs.	32	41	9	28.1	2
11-9051	Food Service Mgrs.	475	606	131	27.6	21
11-9031	Education Admin., Pre., Child Care Center	54	68	14	25.9	2
<b><u>Business and Financial Operations Occupations</u></b>						
13-1111	Management Analysts	60	76	16	26.7	3
13-2051	Financial Analysts	38	48	10	26.3	2
<b><u>Computer and Mathematical Occupations</u></b>						
15-1081	Network Systems & Data Comm. Analysts	85	132	47	55.3	6
15-1061	Database Admin.	41	61	20	48.8	2
15-1031	Computer Software Engineers, Applications	69	97	28	40.6	4
15-1071	Network & Computer Systems Admin.	139	192	53	38.1	7
15-1051	Computer Systems Analysts	47	59	12	25.5	2
<b><u>Life, Physical, and Social Science Occupations</u></b>						
19-3021	Market Research Analysts	57	72	15	26.3	4
19-3031	Clinical, Counseling & School Psychologists	57	72	15	26.3	3
<b><u>Community and Social Service Occupations</u></b>						
21-1093	Social & Human Service Assistants	67	86	19	28.4	3
<b><u>Education, Training and Library Occupations</u></b>						
25-2011	Preschool Teachers, Ex. Special Education	203	272	69	34.0	9
25-1122	Communications Teachers, Post.	32	42	10	31.3	2
25-1011	Business Teachers, Post.	42	55	13	31.0	2
25-1021	Computer Science Teachers, Post.	39	51	12	30.8	2
25-1081	Education Teachers, Post.	69	90	21	30.4	4
25-1022	Mathematical Science Teachers, Post.	33	43	10	30.3	2
25-1194	Vocational Education Teachers, Post.	253	329	76	30.0	14
25-1121	Art, Drama & Music Teachers, Post.	51	66	15	29.4	3
25-1072	Nursing Instructors & Teachers, Post.	34	44	10	29.4	2
25-1199	Post. Teachers, All Other	99	128	29	29.3	5
25-1123	English Language & Literature Teachers, Post.	45	58	13	28.9	2
25-9031	Instructional Coordinators	72	92	20	27.8	3
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	123	154	31	25.2	6

**Top 45  
Fastest Growing Purchase Area Occupations**

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2004	Projected 2014	2004-2014 Number	Percent	Average Annual 2004-2014
<b><u>Healthcare Practitioners and Technical Occupations</u></b>						
29-9099	Healthcare Practitioners & Tech. Work., Other	92	120	28	<b>30.4</b>	5
29-2021	Dental Hygienists	84	108	24	<b>28.6</b>	3
29-2071	Medical Records & Health Info. Technicians	246	315	69	<b>28.0</b>	11
<b><u>Healthcare Support Occupations</u></b>						
31-9092	Medical Assistants	248	343	95	<b>38.3</b>	15
31-9091	Dental Assistants	280	359	79	<b>28.2</b>	16
<b><u>Protective Service Occupations</u></b>						
33-2011	Fire Fighters	93	117	24	<b>25.8</b>	5
<b><u>Food Preparation and Serving Related Occupations</u></b>						
35-3022	Counter Attend., Cafeteria & Food Concession	76	97	21	<b>27.6</b>	7
35-2011	Cooks, Fast Food	499	628	129	<b>25.9</b>	28
35-9031	Hosts & Hostesses, Restaurant & Lounge	88	110	22	<b>25.0</b>	5
35-2014	Cooks, Restaurant	759	948	189	<b>24.9</b>	43
35-3031	Waiters & Waitresses	1,616	2,017	401	<b>24.8</b>	123
35-3021	Combined Food Prep. & Serving Workers	2,089	2,600	511	<b>24.5</b>	142
<b><u>Personal Care and Service Occupations</u></b>						
39-9021	Personal & Home Care Aides	79	104	25	<b>31.6</b>	4
39-3031	Ushers, Lobby Attendants & Ticket Takers	32	41	9	<b>28.1</b>	3
<b><u>Sales and Related Occupations</u></b>						
41-9099	Sales & Related Workers, All Other	74	93	19	<b>25.7</b>	3
<b><u>Installation, Maintenance and Repair Occupations</u></b>						
49-2097	Electron. Home Entertain. Equip. Install & Rep.	74	96	22	<b>29.7</b>	3
49-9062	Medical Equipment Repairers	39	49	10	<b>25.6</b>	2
<b><u>Transportation and Material Moving Occupations</u></b>						
53-3041	Taxi Drivers & Chauffeurs	56	74	18	<b>32.1</b>	3

## Explanation of Data Elements in the Occupational Outlook Table

# Occupational Employment Outlook

Occupational		Employment 2004    2014		Job Growth 2004    2014		Average Annual Job Openings			Average Wage	Education/ Training Required
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	
<b>Occupational Codes &amp; Titles</b> used in this report are based on the Standard Occupational Coding (SOC) structure.  <b>NOTE:</b>  Alphabetical listing beginning on page 64 will help locate a specific occupation within the tables.		<b>Estimated</b> 2004 employment is based on the Occupational Employment Statistics (OES) Survey of employers.  <b>Projected</b> 2014 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2004 and 2014.  <b>NOTE:</b>  The occupational employment estimates for 2004 to 2014 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.		<b>Number</b> The total number of jobs in an occupation gained or lost over the 2004 to 2014 period.  <b>Percent</b> Percent change in employment in an occupation over the 10 year period.  <b>NOTE:</b>  In Kentucky, the average growth for all occupations is projected to be 12.2 percent between 2004-2014.  The growth of an occupation is classified as one of the following based on its percent change:  1) Declining (< 0%)  2) Stable (0% - 6.99%)  3) Growing (7% - 16.99%)  4) Fast Growing (17% - 23.99%)  5) Very Fast Growing (> 24%)		<b>Growth</b> Provides estimates of the average number of job openings expected to occur each year between 2004 and 2014.  <b>Separations</b> Provides estimates of the average number of job openings expected to occur each year in an occupation from workers separating or leaving for reasons such as retirement, promotion, or simply transferring among occupations. These separations would require replacement workers.  <b>Total</b> The sum of openings due to <b>growth</b> and openings due to <b>separations</b> for an occupation.  <b>NOTE:</b>  If employment growth is negative, the total number of job openings will equal the number of separations.			<b>Average Wage</b> in this report always refers to the 2005 mean hourly wage.	<b>Education and/or Training Levels Required</b> are developed by the Bureau of Labor Statistics and group occupations into eleven categories (1-11).  <b>NOTE:</b>  The various categories are described in detail on page 76 of this report.

# Purchase Area

## Occupational Employment Outlook

### Management Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>00-0000 Total, All Occupations</b>		<b>93,626</b>	<b>103,749</b>	<b>10,123</b>	<b>10.8</b>	<b>1,122</b>	<b>2,300</b>	<b>3,422</b>	<b>14.61</b>	<b>n/a</b>
<b>11-0000 Management Occupations</b>		<b>5,086</b>	<b>5,837</b>	<b>751</b>	<b>14.8</b>	<b>75</b>	<b>95</b>	<b>170</b>	<b>33.80</b>	<b>n/a</b>
<b>11-1000</b>	<b>Top Executives</b>	<b>1,846</b>	<b>2,100</b>	<b>254</b>	<b>13.8</b>	<b>25</b>	<b>35</b>	<b>60</b>	<b>n/a</b>	<b>n/a</b>
11-1011	Chief Executives	398	469	71	17.8	7	8	15	61.99	4
11-1021	General & Operations Mgrs.	1,448	1,631	183	12.6	18	27	45	35.27	4
11-1031	Legislators	*	*	*	*	*	*	*	n/a	4
<b>11-2000</b>	<b>Advertising, Market, Promotions, P.R. &amp; Sales</b>	<b>304</b>	<b>359</b>	<b>55</b>	<b>18.1</b>	<b>6</b>	<b>6</b>	<b>12</b>	<b>n/a</b>	<b>n/a</b>
11-2011	Advertising & Promotions Mgrs.	30	35	5	16.7	1	1	2	n/a	4
11-2021	Marketing Mgrs.	72	84	12	16.7	1	1	2	30.22	4
11-2022	Sales Mgrs.	152	180	28	18.4	3	3	6	37.71	4
11-2031	Public Relations Mgrs.	50	60	10	20.0	1	1	2	27.72	4
<b>11-3000</b>	<b>Operations Specialties Mgrs.</b>	<b>800</b>	<b>901</b>	<b>101</b>	<b>12.6</b>	<b>10</b>	<b>14</b>	<b>24</b>	<b>n/a</b>	<b>n/a</b>
11-3011	Administrative Services Mgrs.	77	89	12	15.6	1	2	3	24.55	4
11-3021	Computer & Information Systems Mgrs.	77	100	23	29.9	2	1	3	30.08	4
11-3031	Financial Mgrs.	268	311	43	16.0	4	4	8	31.32	4
11-3041	Compensation & Benefits Mgrs.	32	41	9	28.1	1	1	2	27.77	4
11-3042	Training & Development Mgrs.	*	*	*	*	*	*	*	n/a	4
11-3049	Human Resources Mgrs., All Other	32	31	-1	-3.1	0	1	1	n/a	4
11-3051	Industrial Production Mgrs.	138	137	-1	-0.7	0	3	3	36.84	8
11-3061	Purchasing Mgrs.	43	44	1	2.3	0	1	1	37.87	4
11-3071	Transportation, Storage & Distribution Mgrs.	110	118	8	7.3	1	2	3	25.40	8

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Management Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
11-9000	Other Management Occupations	2,136	2,477	341	16.0	34	41	75	n/a	n/a
11-9011	Farm, Ranch & Other Agricultural Mgrs.	267	273	6	2.2	1	5	6	n/a	4
11-9012	Farmers & Ranchers	*	*	*	*	*	*	*	n/a	9
11-9021	Construction Mgrs.	249	294	45	18.1	5	5	10	33.26	5
11-9031	Education Admin., Preschool, Child Care Center	54	68	14	25.9	1	1	2	20.16	4
11-9032	Education Admin., Elem. & Secondary School	137	158	21	15.3	2	3	5	n/a	4
11-9033	Education Admin., Post.	54	64	10	18.5	1	1	2	n/a	4
11-9039	Education Admin., All Other	33	39	6	18.2	1	1	2	30.84	4
11-9041	Engineering Mgrs.	74	79	5	6.8	1	2	3	40.13	4
11-9051	Food Service Mgrs.	475	606	131	27.6	13	8	21	16.03	8
11-9061	Funeral Directors	35	35	0	0.0	0	1	1	n/a	6
11-9081	Lodging Mgrs.	*	*	*	*	*	*	*	n/a	8
11-9111	Medical & Health Services Mgrs.	170	198	28	16.5	3	3	6	34.12	4
11-9121	Natural Sciences Mgrs.	*	*	*	*	*	*	*	n/a	4
11-9131	Postmasters & Mail Superintendents	56	55	-1	-1.8	0	1	1	23.05	8
11-9141	Property, Real Estate, Community Assn. Mgrs.	130	150	20	15.4	2	2	4	13.50	5
11-9151	Social & Community Service Mgrs.	59	71	12	20.3	1	1	2	19.54	5
11-9199	Mgrs., All Other	318	355	37	11.6	4	6	10	28.76	8

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Business & Financial Operations Occs.

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>13-0000 Business &amp; Financial Operations Occupations</b>		<b>1,825</b>	<b>2,126</b>	<b>301</b>	<b>16.5</b>	<b>30</b>	<b>34</b>	<b>64</b>	<b>21.08</b>	<b>n/a</b>
<b>13-1000</b>	<b>Business Operations Spec.</b>	<b>1,065</b>	<b>1,225</b>	<b>160</b>	<b>15.0</b>	<b>16</b>	<b>21</b>	<b>37</b>	<b>n/a</b>	<b>n/a</b>
13-1011	Agents & Business Mgrs. of Artists, Perf. & Ath.	*	*	*	*	*	*	*	n/a	4
13-1021	Purchasing Agents & Buyers, Farm Products	*	*	*	*	*	*	*	n/a	8
13-1022	Whole. & Retail Buyers, Ex. Farm Products	80	93	13	16.3	1	2	3	16.90	8
13-1023	Purchasing Agents, Ex. Wholesale & Retail	113	124	11	9.7	1	3	4	20.36	8
13-1031	Claims Adjusters, Examiners & Investigators	45	53	8	17.8	1	1	2	n/a	9
13-1032	Insurance Appraisers, Auto Damage	*	*	*	*	*	*	*	n/a	9
13-1041	Compliance Officers, Ex. Agr., Constr., Health	90	91	1	1.1	0	2	2	18.96	9
13-1051	Cost Estimators	83	99	16	19.3	2	2	4	26.02	8
13-1061	Emergency Management Spec.	*	*	*	*	*	*	*	n/a	8
13-1071	Employment, Recruitment & Placement Spec.	66	81	15	22.7	2	1	3	15.74	5
13-1072	Compensation, Benefits & Job Analysis Spec.	42	48	6	14.3	1	1	2	22.76	5
13-1073	Training & Development Spec.	102	120	18	17.6	2	2	4	19.53	5
13-1079	HR, Training & Labor Relations Spec.	61	74	13	21.3	1	1	2	17.32	5
13-1081	Logisticians	*	*	*	*	*	*	*	n/a	5
13-1111	Management Analysts	60	76	16	26.7	2	1	3	n/a	4
13-1121	Meeting & Convention Planners	55	65	10	18.2	1	1	2	n/a	5
13-1199	Business Operations Spec., All Other	227	250	23	10.1	2	4	6	27.91	5
<b>13-2000</b>	<b>Financial Specialists</b>	<b>760</b>	<b>901</b>	<b>141</b>	<b>18.6</b>	<b>14</b>	<b>14</b>	<b>28</b>	<b>n/a</b>	<b>n/a</b>
13-2011	Accountants & Auditors	439	544	105	23.9	11	8	19	20.04	5
13-2021	Appraisers & Assessors of Real Estate	*	*	*	*	*	*	*	n/a	7
13-2031	Budget Analysts	*	*	*	*	*	*	*	n/a	5
13-2041	Credit Analysts	*	*	*	*	*	*	*	n/a	5
13-2051	Financial Analysts	38	48	10	26.3	1	1	2	n/a	5
13-2052	Personal Financial Advisors	*	*	*	*	*	*	*	n/a	5
13-2053	Insurance Underwriters	*	*	*	*	*	*	*	n/a	5
13-2061	Financial Examiners	*	*	*	*	*	*	*	n/a	5
13-2071	Loan Counselors	*	*	*	*	*	*	*	n/a	5
13-2072	Loan Officers	168	182	14	8.3	1	3	4	19.83	5
13-2081	Tax Examiners, Collectors & Revenue Agents	*	*	*	*	*	*	*	n/a	5
13-2082	Tax Preparers	*	*	*	*	*	*	*	n/a	10
13-2099	Financial Spec., All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Computer & Mathematical Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
15-0000 Computer & Mathematical Occupations		687	900	213	31.0	21	9	30	21.04	n/a
15-1000	Computer Specialists	682	895	213	31.2	21	9	30	n/a	n/a
15-1011	Computer & Information Scientists, Research	*	*	*	*	*	*	*	n/a	2
15-1021	Computer Programmers	81	81	0	0.0	0	2	2	20.02	5
15-1031	Computer Software Engineers, Applications	69	97	28	40.6	3	1	4	31.61	5
15-1032	Computer Software Engineers, Systems Soft.	*	*	*	*	*	*	*	n/a	5
15-1041	Computer Support Spec.	178	219	41	23.0	4	2	6	13.78	6
15-1051	Computer Systems Analysts	47	59	12	25.5	1	1	2	n/a	5
15-1061	Database Admin.	41	61	20	48.8	2	0	2	n/a	5
15-1071	Network & Computer Systems Admin.	139	192	53	38.1	5	2	7	23.35	5
15-1081	Network Systems & Data Comm. Analysts	85	132	47	55.3	5	1	6	22.78	5
15-1099	Computer Spec., All Other	*	*	*	*	*	*	*	n/a	6
15-2000	Mathematical Scientists	*	*	*	*	*	*	*	n/a	n/a
15-2011	Actuaries	*	*	*	*	*	*	*	n/a	4
15-2021	Mathematicians	*	*	*	*	*	*	*	n/a	2
15-2031	Operations Research Analysts	*	*	*	*	*	*	*	n/a	3
15-2041	Statisticians	*	*	*	*	*	*	*	n/a	3
15-2099	Mathematical Science Occupations, All Other	*	*	*	*	*	*	*	n/a	3

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Purchase Area

## Architecture & Engineering Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>17-0000 Architecture &amp; Engineering Occupations</b>		<b>792</b>	<b>819</b>	<b>27</b>	<b>3.4</b>	<b>5</b>	<b>19</b>	<b>24</b>	<b>27.88</b>	<b>n/a</b>
<b>17-1000</b>	<b>Architects, Surveyors &amp; Cartographers</b>	*	*	*	*	*	*	*	n/a	n/a
17-1011	Architects, Ex. Landscape & Naval	*	*	*	*	*	*	*	n/a	5
17-1012	Landscape Architects	*	*	*	*	*	*	*	n/a	5
17-1021	Cartographers & Photogrammetrists	*	*	*	*	*	*	*	n/a	5
17-1022	Surveyors	*	*	*	*	*	*	*	18.18	5
<b>17-2000</b>	<b>Engineers</b>	<b>543</b>	<b>563</b>	<b>20</b>	<b>3.7</b>	<b>4</b>	<b>14</b>	<b>18</b>	<b>n/a</b>	<b>n/a</b>
17-2011	Aerospace Engineers	*	*	*	*	*	*	*	n/a	5
17-2021	Agricultural Engineers	*	*	*	*	*	*	*	n/a	5
17-2031	Biomedical Engineers	*	*	*	*	*	*	*	n/a	5
17-2041	Chemical Engineers	152	132	-20	-13.2	0	5	5	38.14	5
17-2051	Civil Engineers	40	44	4	10.0	0	1	1	23.54	5
17-2061	Computer Hardware Engineers	*	*	*	*	*	*	*	n/a	5
17-2071	Electrical Engineers	38	38	0	0.0	0	1	1	28.94	5
17-2072	Electronics Engineers, Ex. Computer	*	*	*	*	*	*	*	31.63	5
17-2081	Environmental Engineers	*	*	*	*	*	*	*	n/a	5
17-2111	Health & Safety Engineers, Ex. Mining Safety	63	65	2	3.2	0	2	2	27.98	5
17-2112	Industrial Engineers	73	87	14	19.2	1	2	3	30.29	5
17-2121	Marine Engineers & Naval Architects	*	*	*	*	*	*	*	n/a	5
17-2131	Materials Engineers	*	*	*	*	*	*	*	n/a	5
17-2141	Mechanical Engineers	83	92	9	10.8	1	2	3	31.56	5
17-2151	Mining & Geological Engrs., Incl. Mining Safety	*	*	*	*	*	*	*	n/a	5
17-2161	Nuclear Engineers	*	*	*	*	*	*	*	n/a	5
17-2171	Petroleum Engineers	*	*	*	*	*	*	*	n/a	5
17-2199	Engineers, All Other	42	42	0	0.0	0	1	1	35.43	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Architecture & Engineering Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>17-3000</b>	<b>Drafters, Engineering &amp; Mapping Technicians</b>	<b>228</b>	<b>233</b>	<b>5</b>	<b>2.2</b>	<b>1</b>	<b>5</b>	<b>6</b>	n/a	n/a
17-3011	Architectural & Civil Drafters	*	*	*	*	*	*	*	17.74	7
17-3012	Electrical & Electronics Drafters	*	*	*	*	*	*	*	n/a	7
17-3013	Mechanical Drafters	*	*	*	*	*	*	*	n/a	7
17-3019	Drafters, All Other	*	*	*	*	*	*	*	n/a	7
17-3021	Aerospace Engineering & Ops. Technicians	*	*	*	*	*	*	*	n/a	6
17-3022	Civil Engineering Technicians	35	37	2	5.7	0	1	1	n/a	6
17-3023	Electrical & Electronic Engineering Technicians	76	78	2	2.6	0	2	2	26.30	6
17-3024	Electro-Mechanical Technicians	*	*	*	*	*	*	*	n/a	6
17-3025	Environmental Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3026	Industrial Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3027	Mechanical Engineering Technicians	*	*	*	*	*	*	*	n/a	6
17-3029	Engineering Technicians, Ex. Drafters, All Other	*	*	*	*	*	*	*	n/a	6
17-3031	Surveying & Mapping Technicians	*	*	*	*	*	*	*	14.42	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Life, Physical & Social Science Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>19-0000 Life, Physical &amp; Social Science Occupations</b>		<b>629</b>	<b>653</b>	<b>24</b>	<b>3.8</b>	<b>6</b>	<b>16</b>	<b>22</b>	<b>22.39</b>	<b>n/a</b>
<b>19-1000</b>	<b>Life Scientists</b>	<b>78</b>	<b>80</b>	<b>2</b>	<b>2.6</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>n/a</b>	<b>n/a</b>
19-1011	Animal Scientists	*	*	*	*	*	*	*	n/a	5
19-1012	Food Scientists & Technologists	*	*	*	*	*	*	*	n/a	5
19-1013	Soil & Plant Scientists	*	*	*	*	*	*	*	n/a	5
19-1021	Biochemists & Biophysicists	*	*	*	*	*	*	*	n/a	2
19-1022	Microbiologists	*	*	*	*	*	*	*	n/a	2
19-1023	Zoologists & Wildlife Biologists	*	*	*	*	*	*	*	n/a	5
19-1029	Biological Scientists, All Other	*	*	*	*	*	*	*	n/a	5
19-1031	Conservation Scientists	*	*	*	*	*	*	*	n/a	5
19-1032	Foresters	*	*	*	*	*	*	*	n/a	5
19-1041	Epidemiologists	*	*	*	*	*	*	*	n/a	3
19-1042	Medical Scientists, Ex. Epidemiologists	*	*	*	*	*	*	*	n/a	2
19-1099	Life Scientists, All Other	*	*	*	*	*	*	*	n/a	5
<b>19-2000</b>	<b>Physical Scientists</b>	<b>121</b>	<b>129</b>	<b>8</b>	<b>6.6</b>	<b>1</b>	<b>3</b>	<b>4</b>	<b>n/a</b>	<b>n/a</b>
19-2011	Astronomers	*	*	*	*	*	*	*	n/a	2
19-2012	Physicists	*	*	*	*	*	*	*	n/a	2
19-2021	Atmospheric & Space Scientists	*	*	*	*	*	*	*	n/a	5
19-2031	Chemists	63	63	0	0.0	0	2	2	27.71	5
19-2032	Materials Scientists	*	*	*	*	*	*	*	n/a	5
19-2041	Environmental Scientists & Spec., Incl. Health	34	38	4	11.8	0	1	1	25.83	3
19-2042	Geoscientists, Ex. Hydrologists & Geographers	*	*	*	*	*	*	*	n/a	3
19-2043	Hydrologists	*	*	*	*	*	*	*	n/a	3
19-2099	Physical Scientists, All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Life, Physical & Social Science Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>19-3000</b>	<b>Social Scientists &amp; Related Workers</b>	<b>130</b>	<b>161</b>	<b>31</b>	<b>23.8</b>	<b>3</b>	<b>3</b>	<b>6</b>	<b>n/a</b>	<b>n/a</b>
19-3011	Economists	*	*	*	*	*	*	*	n/a	3
19-3021	Market Research Analysts	57	72	15	26.3	2	2	4	n/a	5
19-3022	Survey Researchers	*	*	*	*	*	*	*	n/a	5
19-3031	Clinical, Counseling & School Psychologists	57	72	15	26.3	2	1	3	24.47	2
19-3039	Psychologists, All Other	*	*	*	*	*	*	*	n/a	3
19-3051	Urban & Regional Planners	*	*	*	*	*	*	*	n/a	3
19-3091	Anthropologists & Archeologists	*	*	*	*	*	*	*	n/a	3
19-3092	Geographers	*	*	*	*	*	*	*	n/a	3
19-3093	Historians	*	*	*	*	*	*	*	n/a	3
19-3094	Political Scientists	*	*	*	*	*	*	*	n/a	3
19-3099	Social Scientists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	3
<b>19-4000</b>	<b>Life, Physical &amp; Social Science Technicians</b>	<b>300</b>	<b>283</b>	<b>-17</b>	<b>-5.7</b>	<b>1</b>	<b>7</b>	<b>8</b>	<b>n/a</b>	<b>n/a</b>
19-4011	Agricultural & Food Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4021	Biological Technicians	*	*	*	*	*	*	*	n/a	6
19-4031	Chemical Technicians	217	187	-30	-13.8	0	5	5	18.43	6
19-4041	Geological & Petroleum Technicians	*	*	*	*	*	*	*	n/a	6
19-4061	Social Science Research Assistants	*	*	*	*	*	*	*	n/a	6
19-4091	Environ. Sci. & Protection Techs., Incl. Health	*	*	*	*	*	*	*	n/a	6
19-4092	Forensic Science Technicians	*	*	*	*	*	*	*	n/a	6
19-4093	Forest & Conservation Technicians	*	*	*	*	*	*	*	n/a	6
19-4099	Life, Physical & Social Sci. Tech., All Other	*	*	*	*	*	*	*	n/a	6

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Community & Social Service Occupations

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>21-0000 Community &amp; Social Services Occupations</b>		<b>690</b>	<b>808</b>	<b>118</b>	<b>17.1</b>	<b>12</b>	<b>13</b>	<b>25</b>	<b>15.77</b>	<b>n/a</b>
<b>21-1000</b>	<b>Counselors, Social Work. &amp; Other Social Serv.</b>	<b>678</b>	<b>794</b>	<b>116</b>	<b>17.1</b>	<b>12</b>	<b>13</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>
21-1011	Substance Abuse & Behavioral Disorder Couns.	*	*	*	*	*	*	*	n/a	3
21-1012	Educational, Vocational & School Counselors	130	155	25	19.2	3	3	6	20.43	3
21-1013	Marriage & Family Therapists	*	*	*	*	*	*	*	n/a	3
21-1014	Mental Health Counselors	*	*	*	*	*	*	*	17.51	3
21-1015	Rehabilitation Counselors	*	*	*	*	*	*	*	n/a	3
21-1019	Counselors, All Other	*	*	*	*	*	*	*	n/a	3
21-1021	Child, Family & School Social Workers	*	*	*	*	*	*	*	15.62	5
21-1022	Medical & Public Health Social Workers	54	62	8	14.8	1	1	2	18.15	5
21-1023	Mental Health & Subst. Abuse Social Workers	*	*	*	*	*	*	*	n/a	3
21-1029	Social Workers, All Other	*	*	*	*	*	*	*	n/a	5
21-1091	Health Educators	*	*	*	*	*	*	*	18.58	3
21-1092	Probation Offcr. & Correctional Treatment Spec.	*	*	*	*	*	*	*	n/a	5
21-1093	Social & Human Service Assistants	67	86	19	28.4	2	1	3	9.78	10
21-1099	Community & Social Service Spec., All Other	34	42	8	23.5	1	1	2	n/a	5
<b>21-2000</b>	<b>Religious Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
21-2011	Clergy	*	*	*	*	*	*	*	n/a	3
21-2021	Directors, Religious Activities & Education	*	*	*	*	*	*	*	n/a	5
21-2099	Religious Workers, All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Legal Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2014 Total		
<b>23-0000</b>	<b>Legal Occupations</b>	<b>528</b>	<b>608</b>	<b>80</b>	<b>15.2</b>	<b>8</b>	<b>6</b>	<b>14</b>	<b>24.60</b>	<b>n/a</b>
<b>23-1000</b>	<b>Lawyers, Judges &amp; Related Workers</b>	<b>353</b>	<b>399</b>	<b>46</b>	<b>13.0</b>	<b>5</b>	<b>5</b>	<b>10</b>	<b>n/a</b>	<b>n/a</b>
23-1011	Lawyers	325	370	45	13.8	5	4	9	37.88	1
23-1021	Adm. Law Judges, Adjudicators & Hearing Offcr.	*	*	*	*	*	*	*	n/a	4
23-1022	Arbitrators, Mediators & Conciliators	*	*	*	*	*	*	*	n/a	4
23-1023	Judges, Magistrate Judges & Magistrates	*	*	*	*	*	*	*	n/a	4
<b>23-2000</b>	<b>Legal Support Workers</b>	<b>175</b>	<b>209</b>	<b>34</b>	<b>19.4</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
23-2011	Paralegals & Legal Assistants	132	163	31	23.5	3	1	4	14.23	6
23-2091	Court Reporters	*	*	*	*	*	*	*	n/a	7
23-2092	Law Clerks	*	*	*	*	*	*	*	n/a	5
23-2093	Title Examiners, Abstractors & Searchers	*	*	*	*	*	*	*	n/a	10
23-2099	Legal Support Workers, All Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Education, Training & Library Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	Total		
<b>25-0000 Education, Training &amp; Library Occupations</b>		<b>4,824</b>	<b>5,819</b>	<b>995</b>	<b>20.6</b>	<b>100</b>	<b>96</b>	<b>196</b>	<b>17.80</b>	<b>n/a</b>
<b>25-1000</b>	<b>Postsecondary Teachers</b>	<b>963</b>	<b>1,252</b>	<b>289</b>	<b>30.0</b>	<b>29</b>	<b>22</b>	<b>51</b>	<b>n/a</b>	<b>n/a</b>
25-1011	Business Teachers, Post.	42	55	13	31.0	1	1	2	n/a	3
25-1021	Computer Science Teachers, Post.	39	51	12	30.8	1	1	2	36.99	3
25-1022	Mathematical Science Teachers, Post.	33	43	10	30.3	1	1	2	n/a	3
25-1031	Architecture Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1032	Engineering Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1041	Agricultural Sciences Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1042	Biological Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1043	Forestry & Conservation Sci. Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1051	Atmospheric, Earth, Marine & Space Sci., Post.	*	*	*	*	*	*	*	n/a	2
25-1052	Chemistry Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1054	Physics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1061	Anthropology & Archeology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1062	Area, Ethnic & Cultural Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1063	Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1064	Geography Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1065	Political Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1066	Psychology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1067	Sociology Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1069	Social Sciences Teachers, Post., All Other	*	*	*	*	*	*	*	n/a	2
25-1071	Health Specialties Teachers, Post.	*	*	*	*	*	*	*	37.11	3
25-1072	Nursing Instructors & Teachers, Post.	34	44	10	29.4	1	1	2	n/a	2
25-1081	Education Teachers, Post.	69	90	21	30.4	2	2	4	n/a	2
25-1082	Library Science Teachers, Post.	*	*	*	*	*	*	*	n/a	2

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Education, Training & Library Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
25-1111	Crim. Justice & Law Enforcement Teach., Post.	*	*	*	*	*	*	*	n/a	2
25-1112	Law Teachers, Post.	*	*	*	*	*	*	*	n/a	1
25-1113	Social Work Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1121	Art, Drama & Music Teachers, Post.	51	66	15	29.4	2	1	3	n/a	3
25-1122	Communications Teachers, Post.	32	42	10	31.3	1	1	2	n/a	2
25-1123	English Language & Literature Teachers, Post.	45	58	13	28.9	1	1	2	n/a	3
25-1124	Foreign Language & Literature Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1125	History Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1126	Philosophy & Religion Teachers, Post.	*	*	*	*	*	*	*	n/a	2
25-1191	Graduate Teaching Assistants	*	*	*	*	*	*	*	n/a	5
25-1192	Home Economics Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1193	Recreation & Fitness Studies Teachers, Post.	*	*	*	*	*	*	*	n/a	3
25-1194	Vocational Education Teachers, Post.	253	329	76	30.0	8	6	14	19.42	4
25-1199	Post. Teachers, All Other	99	128	29	29.3	3	2	5	n/a	2
25-2000	Primary, Secondary & Special Ed. Teachers	2,019	2,346	327	16.2	33	45	78	n/a	n/a
25-2011	Preschool Teachers, Ex. Special Education	203	272	69	34.0	7	2	9	10.20	7
25-2012	Kindergarten Teachers, Ex. Special Education	*	*	*	*	*	*	*	25.71	5
25-2021	Elem. School Teachers, Ex. Special Education	675	772	97	14.4	10	15	25	25.90	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed.	331	363	32	9.7	3	7	10	25.93	5
25-2023	Vocational Education Teachers, Middle School	*	*	*	*	*	*	*	n/a	4
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed.	453	506	53	11.7	5	13	18	26.69	5
25-2032	Vocational Ed. Teachers, Secondary School	40	45	5	12.5	1	1	2	27.32	4
25-2041	Special Ed. Teachers, Pre., Kinder. & Elem.	123	154	31	25.2	3	3	6	25.80	5
25-2042	Special Education Teachers, Middle School	65	80	15	23.1	2	2	4	26.35	5
25-2043	Special Education Teachers, Secondary School	73	87	14	19.2	1	2	3	26.02	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Purchase Area

## Education, Training & Library Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
25-3000	Other Teachers & Instructors	946	1,169	223	23.6	22	12	34	n/a	n/a
25-3011	Adult Literacy, Remedial Ed. & GED Teachers	181	219	38	21.0	4	2	6	n/a	5
25-3021	Self-Enrichment Education Teachers	*	*	*	*	*	*	*	n/a	8
25-3099	Teachers & Instructors, All Other	729	905	176	24.1	18	9	27	11.44	5
25-4000	Librarians, Curators & Archivists	104	114	10	9.6	1	3	4	n/a	n/a
25-4011	Archivists	*	*	*	*	*	*	*	n/a	3
25-4012	Curators	*	*	*	*	*	*	*	n/a	3
25-4013	Museum Technicians & Conservators	*	*	*	*	*	*	*	n/a	3
25-4021	Librarians	74	78	4	5.4	0	2	2	20.76	3
25-4031	Library Technicians	*	*	*	*	*	*	*	12.16	7
25-9000	Other Ed., Training & Library Occupations	792	938	146	18.4	15	15	30	n/a	n/a
25-9011	Audio-Visual Collections Spec.	*	*	*	*	*	*	*	n/a	10
25-9021	Farm & Home Management Advisors	*	*	*	*	*	*	*	n/a	5
25-9031	Instructional Coordinators	72	92	20	27.8	2	1	3	20.47	3
25-9041	Teacher Assistants	683	801	118	17.3	12	13	25	11.60	11
25-9099	Education, Training & Library Workers, Other	35	43	8	22.9	1	1	2	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

**Arts, Design, Entertainment, Sports & Media Occs.**

## Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>27-0000</b>	<b>Arts, Design, Entertain., Sports &amp; Media Occs.</b>	<b>1,038</b>	<b>1,166</b>	<b>128</b>	<b>12.3</b>	<b>15</b>	<b>19</b>	<b>34</b>	<b>15.14</b>	<b>n/a</b>
<b>27-1000</b>	<b>Art &amp; Design Workers</b>	<b>342</b>	<b>401</b>	<b>59</b>	<b>17.3</b>	<b>6</b>	<b>5</b>	<b>11</b>	<b>n/a</b>	<b>n/a</b>
27-1011	Art Directors	*	*	*	*	*	*	*	n/a	4
27-1012	Craft Artists	*	*	*	*	*	*	*	n/a	9
27-1013	Fine Artists, Incl. Painters, Sculpt. & Illustrators	*	*	*	*	*	*	*	n/a	9
27-1014	Multi-Media Artists & Animators	*	*	*	*	*	*	*	n/a	5
27-1019	Artists & Related Workers, All Other	*	*	*	*	*	*	*	n/a	9
27-1021	Commercial & Industrial Designers	*	*	*	*	*	*	*	n/a	5
27-1022	Fashion Designers	*	*	*	*	*	*	*	n/a	6
27-1023	Floral Designers	148	169	21	14.2	2	2	4	9.09	10
27-1024	Graphic Designers	98	116	18	18.4	2	1	3	14.01	5
27-1025	Interior Designers	*	*	*	*	*	*	*	n/a	6
27-1026	Merchandise Displayers & Window Trimmers	47	53	6	12.8	1	1	2	8.80	10
27-1027	Set & Exhibit Designers	*	*	*	*	*	*	*	n/a	5
27-1029	Designers, All Other	*	*	*	*	*	*	*	n/a	5
<b>27-2000</b>	<b>Entertainers &amp; Performers, Sports &amp; Related</b>	<b>127</b>	<b>147</b>	<b>20</b>	<b>15.7</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
27-2011	Actors	*	*	*	*	*	*	*	n/a	9
27-2012	Producers & Directors	42	46	4	9.5	0	1	1	n/a	4
27-2021	Athletes & Sports Competitors	*	*	*	*	*	*	*	n/a	9
27-2022	Coaches & Scouts	51	62	11	21.6	1	1	2	n/a	9
27-2023	Umpires, Referees & Other Sports Officials	*	*	*	*	*	*	*	n/a	9
27-2031	Dancers	*	*	*	*	*	*	*	n/a	9
27-2032	Choreographers	*	*	*	*	*	*	*	n/a	8
27-2041	Music Directors & Composers	*	*	*	*	*	*	*	n/a	4
27-2042	Musicians & Singers	*	*	*	*	*	*	*	n/a	9
27-2099	Entertainers & Perf., Sports & Related, All Other	*	*	*	*	*	*	*	n/a	9

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

Arts, Design, Entertainment, Sports, Media Occs. (cont'd)

## Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
<b>27-3000</b>	<b>Media &amp; Communication Workers</b>	<b>464</b>	<b>510</b>	<b>46</b>	<b>9.9</b>	<b>6</b>	<b>9</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>
27-3011	Radio & Television Announcers	78	65	-13	-16.7	0	2	2	8.86	9
27-3012	Public Address System & Other Announcers	*	*	*	*	*	*	*	n/a	9
27-3021	Broadcast News Analysts	*	*	*	*	*	*	*	n/a	4
27-3022	Reporters & Correspondents	45	44	-1	-2.2	0	1	1	12.77	4
27-3031	Public Relations Spec.	186	224	38	20.4	4	3	7	15.91	5
27-3041	Editors	74	83	9	12.2	1	2	3	21.07	5
27-3042	Technical Writers	*	*	*	*	*	*	*	n/a	5
27-3043	Writers & Authors	36	43	7	19.4	1	1	2	n/a	5
27-3091	Interpreters & Translators	*	*	*	*	*	*	*	n/a	9
27-3099	Media & Communication Workers, All Other	*	*	*	*	*	*	*	n/a	9
<b>27-4000</b>	<b>Media &amp; Communication Equipment Workers</b>	<b>105</b>	<b>108</b>	<b>3</b>	<b>2.9</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>n/a</b>	<b>n/a</b>
27-4011	Audio & Video Equipment Technicians	*	*	*	*	*	*	*	n/a	9
27-4012	Broadcast Technicians	31	30	-1	-3.2	0	1	1	n/a	6
27-4014	Sound Engineering Technicians	*	*	*	*	*	*	*	n/a	7
27-4021	Photographers	37	42	5	13.5	1	1	2	n/a	9
27-4031	Camera Operators, TV, Video & Motion Picture	*	*	*	*	*	*	*	n/a	10
27-4032	Film & Video Editors	*	*	*	*	*	*	*	n/a	5
27-4099	Media & Comm. Equipment Workers, All Other	*	*	*	*	*	*	*	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Healthcare Practitioners & Technical Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>29-0000 Healthcare Practitioners &amp; Technical Occs.</b>		<b>5,294</b>	<b>6,237</b>	<b>943</b>	<b>17.8</b>	<b>95</b>	<b>103</b>	<b>198</b>	<b>21.61</b>	<b>n/a</b>
<b>29-1000</b>	<b>Health Diagnosing &amp; Treating Practitioners</b>	<b>2,602</b>	<b>3,110</b>	<b>508</b>	<b>19.5</b>	<b>51</b>	<b>53</b>	<b>104</b>	<b>n/a</b>	<b>n/a</b>
29-1011	Chiropractors	*	*	*	*	*	*	*	n/a	1
29-1021	Dentists, General	*	*	*	*	*	*	*	n/a	1
29-1022	Oral & Maxillofacial Surgeons	*	*	*	*	*	*	*	n/a	1
29-1023	Orthodontists	*	*	*	*	*	*	*	n/a	1
29-1031	Dietitians & Nutritionists	35	41	6	17.1	1	1	2	20.96	5
29-1041	Optometrists	*	*	*	*	*	*	*	n/a	1
29-1051	Pharmacists	182	222	40	22.0	4	4	8	45.74	1
29-1061	Physicians & Surgeons	*	*	*	*	*	*	*	n/a	1
29-1062	Anesthesiologists	31	38	7	22.6	1	0	1	n/a	1
29-1063	Family & General Practitioners	67	79	12	17.9	1	1	2	n/a	1
29-1064	Internists, General	*	*	*	*	*	*	*	n/a	1
29-1065	Obstetricians & Gynecologists	*	*	*	*	*	*	*	n/a	1
29-1066	Pediatricians, General	*	*	*	*	*	*	*	n/a	1
29-1067	Psychiatrists	*	*	*	*	*	*	*	n/a	1
29-1069	Surgeons	57	65	8	14.0	1	1	2	n/a	1
29-1071	Physician Assistants	*	*	*	*	*	*	*	n/a	5
29-1081	Podiatrists	*	*	*	*	*	*	*	n/a	1
29-1111	Registered Nurses	1,783	2,146	363	20.4	36	37	73	19.69	6
29-1121	Audiologists	*	*	*	*	*	*	*	n/a	1
29-1122	Occupational Therapists	42	51	9	21.4	1	1	2	26.90	3
29-1123	Physical Therapists	57	68	11	19.3	1	1	2	30.53	3
29-1124	Radiation Therapists	*	*	*	*	*	*	*	n/a	6
29-1125	Recreational Therapists	*	*	*	*	*	*	*	n/a	5
29-1126	Respiratory Therapists	79	94	15	19.0	2	3	5	17.62	6
29-1127	Speech-Language Pathologists	85	98	13	15.3	1	2	3	26.26	3
29-1129	Therapists, All Other	*	*	*	*	*	*	*	n/a	5
29-1131	Veterinarians	*	*	*	*	*	*	*	*	1
29-1199	Health Diagnosing & Treat. Practitioners, Other	*	*	*	*	*	*	*	n/a	5

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Healthcare Practitioners & Tech. Occs. (cont'd)

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>29-2000</b>	<b>Health Technologists &amp; Technicians</b>	<b>2,499</b>	<b>2,889</b>	<b>390</b>	<b>15.6</b>	<b>39</b>	<b>46</b>	<b>85</b>	<b>n/a</b>	<b>n/a</b>
29-2011	Medical & Clinical Laboratory Technologists	175	203	28	16.0	3	5	8	19.85	5
29-2012	Medical & Clinical Laboratory Technicians	145	174	29	20.0	3	4	7	15.57	6
29-2021	Dental Hygienists	84	108	24	28.6	2	1	3	*	6
29-2031	Cardiovascular Technologists & Technicians	37	43	6	16.2	1	1	2	n/a	6
29-2032	Diagnostic Medical Sonographers	*	*	*	*	*	*	*	n/a	6
29-2033	Nuclear Medicine Technologists	*	*	*	*	*	*	*	n/a	6
29-2034	Radiologic Technologists & Technicians	255	307	52	20.4	5	5	10	19.79	6
29-2041	Emergency Medical Technicians & Paramedics	171	210	39	22.8	4	2	6	10.60	7
29-2051	Dietetic Technicians	*	*	*	*	*	*	*	n/a	10
29-2052	Pharmacy Technicians	284	336	52	18.3	5	4	9	10.31	10
29-2053	Psychiatric Technicians	*	*	*	*	*	*	*	n/a	10
29-2054	Respiratory Therapy Technicians	36	34	-2	-5.6	0	1	1	n/a	6
29-2055	Surgical Technologists	122	146	24	19.7	2	2	4	16.05	7
29-2056	Veterinary Technologists & Technicians	*	*	*	*	*	*	*	10.64	6
29-2061	Licensed Practical & Licensed Voc. Nurses	772	828	56	7.3	6	17	23	14.10	7
29-2071	Medical Records & Health Info. Technicians	246	315	69	28.0	7	4	11	13.14	6
29-2081	Opticians, Dispensing	51	51	0	0.0	0	1	1	14.24	9
29-2091	Orthotists & Prosthetists	*	*	*	*	*	*	*	n/a	5
29-2099	Health Technologists & Technicians, All Other	65	72	7	10.8	1	1	2	n/a	7
<b>29-9000</b>	<b>Other Healthcare Practitioners &amp; Tech. Occs.</b>	<b>193</b>	<b>238</b>	<b>45</b>	<b>23.3</b>	<b>5</b>	<b>4</b>	<b>9</b>	<b>n/a</b>	<b>n/a</b>
29-9011	Occupational Health & Safety Spec.	64	74	10	15.6	1	1	2	25.77	5
29-9012	Occupational Health & Safety Technicians	32	39	7	21.9	1	1	2	n/a	7
29-9091	Athletic Trainers	*	*	*	*	*	*	*	n/a	5
29-9099	Healthcare Practitioners & Tech. Workers, Other	92	120	28	30.4	3	2	5	n/a	7

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Healthcare Support Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
31-0000 Healthcare Support Occupations		2,462	2,936	474	19.3	47	40	87	10.12	n/a
31-1000	Nursing, Psychiatric & Home Health Aides	1,555	1,792	237	15.2	24	20	44	n/a	n/a
31-1011	Home Health Aides	*	*	*	*	*	*	*	8.07	11
31-1012	Nursing Aides, Orderlies & Attendants	1,353	1,502	149	11.0	15	18	33	8.38	7
31-1013	Psychiatric Aides	*	*	*	*	*	*	*	n/a	11
31-2000	Occupational & Phys. Therapist Assist. & Aides	96	118	22	22.9	2	2	4	n/a	n/a
31-2011	Occupational Therapist Assistants	*	*	*	*	*	*	*	n/a	6
31-2012	Occupational Therapist Aides	*	*	*	*	*	*	*	n/a	11
31-2021	Physical Therapist Assistants	55	67	12	21.8	1	1	2	19.40	6
31-2022	Physical Therapist Aides	*	*	*	*	*	*	*	9.70	11
31-9000	Other Healthcare Support Occupations	811	1,026	215	26.5	22	18	40	n/a	n/a
31-9011	Massage Therapists	*	*	*	*	*	*	*	n/a	7
31-9091	Dental Assistants	280	359	79	28.2	8	8	16	13.45	10
31-9092	Medical Assistants	248	343	95	38.3	10	5	15	10.77	10
31-9093	Medical Equipment Preparers	43	49	6	14.0	1	1	2	8.68	11
31-9094	Medical Transcriptionists	92	107	15	16.3	2	2	4	12.41	7
31-9095	Pharmacy Aides	*	*	*	*	*	*	*	n/a	11
31-9096	Vet. Assistants & Laboratory Animal Caretakers	*	*	*	*	*	*	*	n/a	11
31-9099	Healthcare Support Workers, All Other	106	119	13	12.3	1	2	3	11.05	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Protective Service Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>33-0000 Protective Service Occupations</b>		<b>1,503</b>	<b>1,664</b>	<b>161</b>	<b>10.7</b>	<b>17</b>	<b>41</b>	<b>58</b>	<b>12.31</b>	<b>n/a</b>
<b>33-1000</b>	<b>Mgrs., Protective Service Workers</b>	<b>193</b>	<b>223</b>	<b>30</b>	<b>15.5</b>	<b>3</b>	<b>6</b>	<b>9</b>	<b>n/a</b>	<b>n/a</b>
33-1011	Mgrs. of Correctional Officers	69	75	6	8.7	1	2	3	n/a	8
33-1012	Mgrs. of Police & Detectives	63	75	12	19.0	1	2	3	25.49	8
33-1021	Mgrs. of Fire Fighting & Prevent	43	53	10	23.3	1	2	3	n/a	8
33-1099	Mgrs. of Protective Service Workers, Other	*	*	*	*	*	*	*	n/a	8
<b>33-2000</b>	<b>Fire Fighting &amp; Prevention Workers</b>	<b>96</b>	<b>119</b>	<b>23</b>	<b>24.0</b>	<b>2</b>	<b>3</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
33-2011	Fire Fighters	93	117	24	25.8	2	3	5	n/a	9
33-2021	Fire Inspectors & Investigators	*	*	*	*	*	*	*	n/a	8
33-2022	Forest Fire Inspectors & Prevention Spec.	*	*	*	*	*	*	*	n/a	8
<b>33-3000</b>	<b>Law Enforcement Workers</b>	<b>857</b>	<b>958</b>	<b>101</b>	<b>11.8</b>	<b>10</b>	<b>19</b>	<b>29</b>	<b>n/a</b>	<b>n/a</b>
33-3011	Bailiffs	*	*	*	*	*	*	*	n/a	10
33-3012	Correctional Officers & Jailers	497	544	47	9.5	5	10	15	10.15	10
33-3021	Detectives & Criminal Investigators	*	*	*	*	*	*	*	n/a	8
33-3031	Fish & Game Wardens	*	*	*	*	*	*	*	n/a	6
33-3041	Parking Enforcement Workers	*	*	*	*	*	*	*	n/a	11
33-3051	Police & Sheriff's Patrol Officers	263	303	40	15.2	4	7	11	17.19	9
33-3052	Transit & Railroad Police	*	*	*	*	*	*	*	n/a	9
<b>33-9000</b>	<b>Other Protective Service Workers</b>	<b>357</b>	<b>364</b>	<b>7</b>	<b>2.0</b>	<b>2</b>	<b>13</b>	<b>15</b>	<b>n/a</b>	<b>n/a</b>
33-9011	Animal Control Workers	*	*	*	*	*	*	*	n/a	10
33-9021	Private Detectives & Investigators	*	*	*	*	*	*	*	n/a	8
33-9031	Gaming Surveillance Ofcrs. & Investigators	*	*	*	*	*	*	*	n/a	10
33-9032	Security Guards	234	225	-9	-3.8	0	5	5	9.74	11
33-9091	Crossing Guards	*	*	*	*	*	*	*	n/a	11
33-9092	Lifeguards, Ski Patrol & Rec. Protective Workers	*	*	*	*	*	*	*	8.80	11
33-9099	Protective Service Workers, All Other	69	79	10	14.5	1	5	6	12.18	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Food Preparation & Serving Related Occs.

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>35-0000 Food Preparation &amp; Serving Related Occs.</b>		<b>8,014</b>	<b>9,752</b>	<b>1,738</b>	<b>21.7</b>	<b>174</b>	<b>311</b>	<b>485</b>	<b>7.43</b>	<b>n/a</b>
<b>35-1000</b>	<b>Supervisors, Food Prep. &amp; Serving Workers</b>	<b>775</b>	<b>962</b>	<b>187</b>	<b>24.1</b>	<b>19</b>	<b>19</b>	<b>38</b>	<b>n/a</b>	<b>n/a</b>
35-1011	Chefs & Head Cooks	46	56	10	21.7	1	1	2	n/a	8
35-1012	Mgrs. of Food Preparation & Serving Workers	729	906	177	24.3	18	17	35	10.63	8
<b>35-2000</b>	<b>Cooks &amp; Food Preparation Workers</b>	<b>2,561</b>	<b>3,036</b>	<b>475</b>	<b>18.5</b>	<b>48</b>	<b>81</b>	<b>129</b>	<b>n/a</b>	<b>n/a</b>
35-2011	Cooks, Fast Food	499	628	129	25.9	13	15	28	6.71	11
35-2012	Cooks, Institution & Cafeteria	611	630	19	3.1	2	19	21	9.65	10
35-2013	Cooks, Private Household	*	*	*	*	*	*	*	n/a	9
35-2014	Cooks, Restaurant	759	948	189	24.9	19	24	43	8.03	9
35-2015	Cooks, Short Order	178	214	36	20.2	4	6	10	6.92	11
35-2019	Cooks, All Other	*	*	*	*	*	*	*	n/a	10
35-2021	Food Preparation Workers	513	615	102	19.9	10	18	28	7.94	11
<b>35-3000</b>	<b>Food &amp; Beverage Serving Workers</b>	<b>4,229</b>	<b>5,205</b>	<b>976</b>	<b>23.1</b>	<b>98</b>	<b>196</b>	<b>294</b>	<b>n/a</b>	<b>n/a</b>
35-3011	Bartenders	372	409	37	9.9	4	15	19	7.98	11
35-3021	Combined Food Prep. & Serving Workers	2,089	2,600	511	24.5	51	91	142	6.35	11
35-3022	Counter Attend., Cafeteria & Food Concession	76	97	21	27.6	2	5	7	6.79	11
35-3031	Waiters & Waitresses	1,616	2,017	401	24.8	40	83	123	6.32	11
35-3041	Food Servers, Nonrestaurant	76	82	6	7.9	1	3	4	6.63	11
<b>35-9000</b>	<b>Other Food Prep. &amp; Serving Related Workers</b>	<b>449</b>	<b>549</b>	<b>100</b>	<b>22.3</b>	<b>10</b>	<b>15</b>	<b>25</b>	<b>n/a</b>	<b>n/a</b>
35-9011	Dining & Cafeteria Attend. & Bartender Helpers	36	42	6	16.7	1	1	2	n/a	11
35-9021	Dishwashers	297	367	70	23.6	7	10	17	7.61	11
35-9031	Hosts & Hostesses, Restaurant & Lounge	88	110	22	25.0	2	3	5	7.16	11
35-9099	Food Prep. & Serving Related Workers, Other	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Purchase Area

## Building, Grounds Cleaning & Maintenance Occs.

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
37-0000 Building & Grounds Cleaning & Maint. Occs.		3,544	4,000	456	12.9	46	71	117	9.05	n/a
37-1000	Sprvisors., Bldg. & Grounds Cleaning Workers	311	364	53	17.0	5	6	11	n/a	n/a
37-1011	Mgrs. of Housekeeping & Janitorial Workers	242	279	37	15.3	4	6	10	11.65	8
37-1012	Mgrs. of Landscaping, Lawn Service	69	85	16	23.2	2	1	3	14.45	8
37-2000	Building Cleaning & Pest Control Workers	2,765	3,106	341	12.3	34	54	88	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	1,867	2,140	273	14.6	27	35	62	9.25	11
37-2012	Maids & Housekeeping Cleaners	896	964	68	7.6	7	19	26	7.64	11
37-2019	Building Cleaning Workers, All Other	*	*	*	*	*	*	*	n/a	11
37-2021	Pest Control Workers	*	*	*	*	*	*	*	n/a	10
37-3000	Grounds Maintenance Workers	468	530	62	13.2	6	10	16	n/a	n/a
37-3011	Landscaping & Groundskeeping Workers	464	525	61	13.1	6	10	16	8.36	11
37-3012	Pesticide Handlers, Sprayers & Applic., Veget.	*	*	*	*	*	*	*	n/a	10
37-3013	Tree Trimmers & Pruners	*	*	*	*	*	*	*	n/a	11
37-3019	Grounds Maintenance Workers, All Other	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Personal Care & Service Occupations

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
39-0000 Personal Care & Service Occupations		2,598	3,147	549	21.1	55	66	121	8.23	n/a
39-1000	Supervisors, Personal Care & Service Workers	250	310	60	24.0	6	6	12	n/a	n/a
39-1011	Gaming Supervisors	*	*	*	*	*	*	*	n/a	8
39-1021	Mgrs. of Personal Service Workers	250	310	60	24.0	6	6	12	9.56	8
39-2000	Animal Care & Service Workers	130	155	25	19.2	3	3	6	n/a	n/a
39-2011	Animal Trainers	35	41	6	17.1	1	1	2	n/a	10
39-2021	Nonfarm Animal Caretakers	95	114	19	20.0	2	2	4	5.98	11
39-3000	Entertainment Attendants & Related Workers	187	221	34	18.2	3	7	10	n/a	n/a
39-3012	Gaming & Sports Book Writers & Runners	*	*	*	*	*	*	*	n/a	11
39-3021	Motion Picture Projectionists	*	*	*	*	*	*	*	n/a	11
39-3031	Ushers, Lobby Attendants & Ticket Takers	32	41	9	28.1	1	2	3	n/a	11
39-3091	Amusement & Recreation Attendants	66	78	12	18.2	1	2	3	6.24	11
39-3092	Costume Attendants	*	*	*	*	*	*	*	n/a	11
39-3093	Locker, Coatroom & Dressing Room Attendants	*	*	*	*	*	*	*	n/a	11
39-3099	Entertainment Attend. & Related Workers, Other	*	*	*	*	*	*	*	7.98	10
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-4011	Embalmers	*	*	*	*	*	*	*	n/a	7
39-4021	Funeral Attendants	*	*	*	*	*	*	*	n/a	11
39-5000	Personal Appearance Workers	286	328	42	14.7	4	6	10	n/a	n/a
39-5011	Barbers	*	*	*	*	*	*	*	n/a	7
39-5012	Hairdressers, Hairstylists & Cosmetologists	237	273	36	15.2	4	5	9	8.60	7
39-5091	Makeup Artists, Theatrical & Performance	*	*	*	*	*	*	*	n/a	7
39-5092	Manicurists & Pedicurists	*	*	*	*	*	*	*	n/a	7
39-5093	Shampooers	*	*	*	*	*	*	*	n/a	11
39-5094	Skin Care Spec.	*	*	*	*	*	*	*	n/a	7
39-6000	Transportation, Tourism & Lodging Attendants	35	40	5	14.3	1	1	2	n/a	n/a
39-6011	Baggage Porters & Bellhops	*	*	*	*	*	*	*	n/a	11
39-6012	Concierges	*	*	*	*	*	*	*	n/a	10
39-6021	Tour Guides & Escorts	*	*	*	*	*	*	*	n/a	10
39-6022	Travel Guides	*	*	*	*	*	*	*	n/a	10
39-6031	Flight Attendants	*	*	*	*	*	*	*	n/a	9
39-6032	Transp. Attend., Ex. Flight Attend., Bag Porters	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Personal Care & Service Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average	Educ/
Code	Title	2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
		Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
39-9000	Other Personal Care & Service Workers	1,665	2,047	382	22.9	38	43	81	n/a	n/a
39-9011	Child Care Workers	1,203	1,497	294	24.4	29	33	62	7.28	11
39-9021	Personal & Home Care Aides	79	104	25	31.6	3	1	4	6.53	11
39-9031	Fitness Trainers & Aerobics Instructors	89	106	17	19.1	2	2	4	11.90	7
39-9032	Recreation Workers	195	219	24	12.3	2	5	7	9.16	11
39-9041	Residential Advisors	75	92	17	22.7	2	2	4	n/a	10
39-9099	Personal Care & Service Workers, All Other	*	*	*	*	*	*	*	n/a	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Sales & Related Occupations

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014 Growth Separations Total				
41-0000 Sales & Related Occupations		9,771	10,807	1,036	10.6	107	328	435	11.02	n/a
41-1000	Supervisors, Sales Workers	1,720	1,888	168	9.8	17	31	48	n/a	n/a
41-1011	Mgrs. of Retail Sales Workers	1,445	1,583	138	9.6	14	26	40	13.67	8
41-1012	Mgrs. of Non-Retail Sales Workers	275	305	30	10.9	3	5	8	20.59	8
41-2000	Retail Sales Workers	6,166	6,791	625	10.1	64	255	319	n/a	n/a
41-2011	Cashiers	2,486	2,589	103	4.1	10	121	131	7.25	11
41-2012	Gaming Change Persons & Booth Cashiers	*	*	*	*	*	*	*	n/a	11
41-2021	Counter & Rental Clerks	428	501	73	17.1	7	16	23	7.71	11
41-2022	Parts Salespersons	147	129	-18	-12.2	0	4	4	12.81	10
41-2031	Retail Salespersons	3,105	3,572	467	15.0	47	113	160	9.20	11
41-3000	Sales Representatives, Services	417	474	57	13.7	6	8	14	n/a	n/a
41-3011	Advertising Sales Agents	83	90	7	8.4	1	2	3	16.55	10
41-3021	Insurance Sales Agents	119	136	17	14.3	2	3	5	*	5
41-3031	Securities, Commodities & Financial Serv. Sales	66	79	13	19.7	1	1	2	61.90	5
41-3041	Travel Agents	*	*	*	*	*	*	*	n/a	7
41-3099	Sales Representatives, Services, All Other	148	169	21	14.2	2	3	5	18.04	10
41-4000	Sales Reps., Wholesale & Manufacturing	774	881	107	13.8	11	20	31	n/a	n/a
41-4011	Sales Reps., Wholesale & Manuf., Tech. & Sci.	69	76	7	10.1	1	2	3	24.84	10
41-4012	Sales Reps., Whole. & Manuf., Ex. Tech. & Sci.	705	805	100	14.2	10	19	29	21.54	10
41-9000	Other Sales & Related Workers	694	773	79	11.4	9	15	24	n/a	n/a
41-9011	Demonstrators & Product Promoters	*	*	*	*	*	*	*	n/a	10
41-9012	Models	*	*	*	*	*	*	*	n/a	10
41-9021	Real Estate Brokers	*	*	*	*	*	*	*	n/a	8
41-9022	Real Estate Sales Agents	242	266	24	9.9	2	5	7	10.19	7
41-9031	Sales Engineers	*	*	*	*	*	*	*	n/a	5
41-9041	Telemarketers	64	52	-12	-18.8	0	1	1	7.94	11
41-9091	Door-To-Door Sales, News & Street Vendors	*	*	*	*	*	*	*	n/a	11
41-9099	Sales & Related Workers, All Other	74	93	19	25.7	2	1	3	16.27	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Office & Administrative Support Occs.

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>43-0000 Office &amp; Administrative Support Occupations</b>		<b>13,728</b>	<b>14,000</b>	<b>272</b>	<b>2.0</b>	<b>70</b>	<b>328</b>	<b>398</b>	<b>12.08</b>	<b>n/a</b>
<b>43-1000</b>	<b>Supervisors, Office &amp; Admin. Support Workers</b>	<b>887</b>	<b>920</b>	<b>33</b>	<b>3.7</b>	<b>3</b>	<b>19</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>
43-1011	Mgrs. of Office & Admin. Support Workers	887	920	33	3.7	3	19	22	17.66	8
<b>43-2000</b>	<b>Communications Equipment Operators</b>	<b>180</b>	<b>143</b>	<b>-37</b>	<b>-20.6</b>	<b>0</b>	<b>5</b>	<b>5</b>	<b>n/a</b>	<b>n/a</b>
43-2011	Switchboard Operators, Incl. Answering Service	120	105	-15	-12.5	0	3	3	8.92	11
43-2021	Telephone Operators	59	37	-22	-37.3	0	2	2	n/a	11
43-2099	Communications Equipment Operators, All Other	*	*	*	*	*	*	*	n/a	11
<b>43-3000</b>	<b>Financial Clerks</b>	<b>2,718</b>	<b>2,827</b>	<b>109</b>	<b>4.0</b>	<b>11</b>	<b>69</b>	<b>80</b>	<b>n/a</b>	<b>n/a</b>
43-3011	Bill & Account Collectors	190	224	34	17.9	3	4	7	10.90	11
43-3021	Billing & Posting Clerks & Machine Operators	546	551	5	0.9	1	9	10	11.68	10
43-3031	Bookkeeping, Accounting & Auditing Clerks	1,222	1,238	16	1.3	2	23	25	12.45	10
43-3051	Payroll & Timekeeping Clerks	133	152	19	14.3	2	4	6	12.94	10
43-3061	Procurement Clerks	46	47	1	2.2	0	1	1	13.75	11
43-3071	Tellers	581	615	34	5.9	3	29	32	10.11	11
<b>43-4000</b>	<b>Information &amp; Record Clerks</b>	<b>2,878</b>	<b>3,171</b>	<b>293</b>	<b>10.2</b>	<b>40</b>	<b>67</b>	<b>107</b>	<b>n/a</b>	<b>n/a</b>
43-4011	Brokerage Clerks	31	36	5	16.1	1	0	1	n/a	10
43-4021	Correspondence Clerks	*	*	*	*	*	*	*	n/a	11
43-4031	Court, Municipal & License Clerks	*	*	*	*	*	*	*	17.42	11
43-4041	Credit Authorizers, Checkers & Clerks	*	*	*	*	*	*	*	n/a	11
43-4051	Customer Service Representatives	685	828	143	20.9	14	10	24	10.94	10
43-4061	Eligibility Interviewers, Government Programs	*	*	*	*	*	*	*	n/a	10
43-4071	File Clerks	135	78	-57	-42.2	0	4	4	8.64	11
43-4081	Hotel, Motel & Resort Desk Clerks	253	271	18	7.1	2	11	13	7.60	11
43-4111	Interviewers, Ex. Eligibility & Loan	161	188	27	16.8	3	4	7	10.24	11
43-4121	Library Assistants, Clerical	60	67	7	11.7	1	2	3	7.48	11
43-4131	Loan Interviewers & Clerks	133	133	0	0.0	0	2	2	12.95	11
43-4141	New Accounts Clerks	*	*	*	*	*	*	*	n/a	8
43-4151	Order Clerks	120	90	-30	-25.0	0	3	3	10.78	11
43-4161	H.R. Assistants, Ex. Payroll & Timekeeping	70	81	11	15.7	1	2	3	14.44	11
43-4171	Receptionists & Information Clerks	824	959	135	16.4	14	20	34	9.12	11
43-4181	Reservation & Transp. Ticket Agents & Clerks	*	*	*	*	*	*	*	n/a	11
43-4199	Information & Record Clerks, All Other	113	105	-8	-7.1	0	2	2	11.38	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Office & Administrative Support Occs. (cont'd)

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>43-5000</b>	<b>Material Recording, Dispatching &amp; Distributing</b>	<b>2,525</b>	<b>2,402</b>	<b>-123</b>	<b>-4.9</b>	<b>5</b>	<b>75</b>	<b>80</b>	<b>n/a</b>	<b>n/a</b>
43-5011	Cargo & Freight Agents	*	*	*	*	*	*	*	n/a	10
43-5021	Couriers & Messengers	95	97	2	2.1	0	2	2	9.14	11
43-5031	Police, Fire & Ambulance Dispatchers	105	122	17	16.2	2	2	4	11.44	10
43-5032	Dispatchers, Ex. Police, Fire & Ambulance	183	171	-12	-6.6	0	4	4	14.34	10
43-5041	Meter Readers, Utilities	*	*	*	*	*	*	*	n/a	11
43-5051	Postal Service Clerks	55	54	-1	-1.8	0	2	2	21.29	11
43-5052	Postal Service Mail Carriers	288	284	-4	-1.4	0	9	9	20.24	11
43-5053	Postal Service Mail Sorters & Processors	65	64	-1	-1.5	0	2	2	17.99	11
43-5061	Production, Planning & Expediting Clerks	175	188	13	7.4	1	4	5	17.05	11
43-5071	Shipping, Receiving & Traffic Clerks	386	403	17	4.4	2	8	10	12.44	11
43-5081	Stock Clerks & Order Fillers	1,075	945	-130	-12.1	0	40	40	9.77	11
43-5111	Weigher, Measurer, Checker, Sampler, Records.	37	31	-6	-16.2	0	1	1	10.01	11
<b>43-6000</b>	<b>Secretaries &amp; Administrative Assistants</b>	<b>2,616</b>	<b>2,618</b>	<b>2</b>	<b>0.1</b>	<b>7</b>	<b>50</b>	<b>57</b>	<b>n/a</b>	<b>n/a</b>
43-6011	Executive Secretaries & Admin. Assistants	1,038	1,098	60	5.8	6	20	26	14.43	10
43-6012	Legal Secretaries	125	131	6	4.8	1	2	3	12.73	7
43-6013	Medical Secretaries	213	215	2	0.9	0	4	4	10.75	7
43-6014	Secretaries, Ex. Legal, Medical & Executive	1,240	1,174	-66	-5.3	0	24	24	10.52	10
<b>43-9000</b>	<b>Other Office &amp; Administrative Support Workers</b>	<b>1,924</b>	<b>1,919</b>	<b>-5</b>	<b>-0.3</b>	<b>4</b>	<b>43</b>	<b>47</b>	<b>n/a</b>	<b>n/a</b>
43-9011	Computer Operators	*	*	*	*	*	*	*	n/a	10
43-9021	Data Entry Keyers	192	189	-3	-1.6	0	5	5	10.70	10
43-9022	Word Processors & Typists	61	58	-3	-4.9	0	1	1	n/a	10
43-9031	Desktop Publishers	*	*	*	*	*	*	*	n/a	7
43-9041	Insurance Claims & Policy Processing Clerks	32	34	2	6.3	0	1	1	n/a	10
43-9051	Mail Clerks & Mail Machine Ops., Ex. Postal	*	*	*	*	*	*	*	12.84	11
43-9061	Office Clerks, General	1,477	1,514	37	2.5	4	33	37	9.82	11
43-9071	Office Machine Operators, Ex. Computer	*	*	*	*	*	*	*	n/a	11
43-9081	Proofreaders & Copy Markers	*	*	*	*	*	*	*	n/a	11
43-9111	Statistical Assistants	*	*	*	*	*	*	*	n/a	10
43-9199	Office & Administrative Support Workers, Other	32	32	0	0.0	0	1	1	11.39	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Farming, Fishing & Forestry Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
45-0000 Farming, Fishing & Forestry Occupations		1,093	1,032	-61	-5.6	2	30	32	12.21	n/a
45-1000	Supervisors, Farming, Fishing & Forestry Work.	70	74	4	5.7	0	2	2	n/a	n/a
45-1011	Mgrs. of Farming, Fishing & Forestry Workers	70	74	4	5.7	0	2	2	n/a	8
45-1012	Farm Labor Contractors	*	*	*	*	*	*	*	n/a	8
45-2000	Agricultural Workers	972	900	-72	-7.4	1	27	28	n/a	n/a
45-2011	Agricultural Inspectors	*	*	*	*	*	*	*	n/a	8
45-2021	Animal Breeders	*	*	*	*	*	*	*	n/a	11
45-2041	Graders & Sorters, Agricultural Products	36	37	1	2.8	0	1	1	n/a	8
45-2091	Agricultural Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-2092	Farmworkers & Laborers, Crop, Nursery	666	592	-74	-11.1	0	19	19	n/a	11
45-2093	Farmworkers, Farm & Ranch Animals	163	164	1	0.6	0	5	5	n/a	11
45-2099	Agricultural Workers, All Other	*	*	*	*	*	*	*	n/a	11
45-3000	Fishing & Hunting Workers	*	*	*	*	*	*	*	n/a	n/a
45-3011	Fishers & Related Fishing Workers	*	*	*	*	*	*	*	n/a	10
45-4000	Forest, Conservation & Logging Workers	51	58	7	13.7	1	1	2	n/a	10
45-4011	Forest & Conservation Workers	*	*	*	*	*	*	*	n/a	10
45-4021	Fallers	*	*	*	*	*	*	*	n/a	10
45-4022	Logging Equipment Operators	*	*	*	*	*	*	*	n/a	10
45-4023	Log Graders & Scalers	*	*	*	*	*	*	*	n/a	n/a
45-4029	Logging Workers, All Other	*	*	*	*	*	*	*	n/a	n/a

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Construction & Extraction Occupations

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
47-0000 Construction & Extraction Occupations		4,881	5,519	638	13.1	64	94	158	17.04	8
47-1000	Supervisors, Construction & Extraction Workers	507	577	70	13.8	7	9	16	n/a	n/a
47-1011	Mgrs. of Constr. Trades & Extraction Workers	507	577	70	13.8	7	9	16	23.63	9
47-2000	Construction Trades Workers	3,623	4,080	457	12.6	46	66	112	n/a	n/a
47-2011	Boilermakers	*	*	*	*	*	*	*	n/a	9
47-2021	Brickmasons & Blockmasons	87	102	15	17.2	2	1	3	21.32	9
47-2022	Stonemasons	*	*	*	*	*	*	*	n/a	9
47-2031	Carpenters	816	941	125	15.3	13	13	26	17.81	10
47-2041	Carpet Installers	*	*	*	*	*	*	*	15.79	10
47-2042	Floor Layers, Ex. Carpet, Wood & Hard Tiles	*	*	*	*	*	*	*	n/a	10
47-2043	Floor Sanders & Finishers	*	*	*	*	*	*	*	n/a	9
47-2044	Tile & Marble Setters	*	*	*	*	*	*	*	n/a	10
47-2051	Cement Masons & Concrete Finishers	104	120	16	15.4	2	2	4	15.90	9
47-2053	Terrazzo Workers & Finishers	*	*	*	*	*	*	*	n/a	10
47-2061	Construction Laborers	645	665	20	3.1	2	9	11	13.69	10
47-2071	Paving, Surfacing & Tamping Equip. Operators	61	71	10	16.4	1	1	2	12.03	10
47-2072	Pile-Driver Operators	*	*	*	*	*	*	*	n/a	10
47-2073	Operating Engineers & Other Constr. Equip. Ops.	360	405	45	12.5	5	9	14	19.74	10
47-2081	Drywall & Ceiling Tile Installers	59	66	7	11.9	1	1	2	n/a	10
47-2082	Tapers	*	*	*	*	*	*	*	n/a	9
47-2111	Electricians	341	367	26	7.6	3	7	10	23.01	9
47-2121	Glaziers	63	78	15	23.8	2	1	3	n/a	10
47-2131	Insulation Workers, Floor, Ceiling & Wall	34	36	2	5.9	0	1	1	n/a	10
47-2132	Insulation Workers, Mechanical	*	*	*	*	*	*	*	n/a	10
47-2141	Painters, Construction & Maintenance	231	270	39	16.9	4	4	8	13.88	10
47-2142	Paperhangers	*	*	*	*	*	*	*	n/a	10
47-2151	Pipelayers	70	74	4	5.7	0	2	2	n/a	9
47-2152	Plumbers, Pipefitters & Steamfitters	266	305	39	14.7	4	6	10	20.44	9
47-2161	Plasterers & Stucco Masons	*	*	*	*	*	*	*	n/a	9
47-2171	Reinforcing Iron & Rebar Workers	*	*	*	*	*	*	*	n/a	10
47-2181	Roofers	66	80	14	21.2	1	2	3	14.68	9
47-2211	Sheet Metal Workers	73	85	12	16.4	1	2	3	22.02	10
47-2221	Structural Iron & Steel Workers	53	61	8	15.1	1	1	2	n/a	9

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Purchase Area

## Construction & Extraction Occs. (cont'd)

### Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>47-3000</b>	<b>Helpers, Construction Trades</b>	<b>255</b>	<b>277</b>	<b>22</b>	<b>8.6</b>	<b>2</b>	<b>11</b>	<b>13</b>	<b>n/a</b>	<b>n/a</b>
47-3011	Helpers--Brick, Block, Stone & Tile Setters	35	40	5	14.3	1	2	3	13.83	11
47-3012	Helpers--Carpenters	94	101	7	7.4	1	4	5	6.82	11
47-3013	Helpers--Electricians	42	43	1	2.4	0	2	2	n/a	11
47-3014	Helpers--Paint, Paperhanger, Plasterer & Stucco	*	*	*	*	*	*	*	n/a	11
47-3015	Helpers--Pipelayer & Fitter, Plumber, Steamfitter	58	66	8	13.8	1	2	3	n/a	11
47-3016	Helpers--Roofers	*	*	*	*	*	*	*	9.14	11
47-3019	Helpers, Construction Trades, All Other	*	*	*	*	*	*	*	n/a	11
<b>47-4000</b>	<b>Other Construction &amp; Related Workers</b>	<b>465</b>	<b>547</b>	<b>82</b>	<b>17.6</b>	<b>8</b>	<b>8</b>	<b>16</b>	<b>n/a</b>	<b>n/a</b>
47-4011	Construction & Building Inspectors	*	*	*	*	*	*	*	17.78	8
47-4021	Elevator Installers & Repairers	*	*	*	*	*	*	*	n/a	9
47-4031	Fence Erectors	*	*	*	*	*	*	*	n/a	10
47-4041	Hazardous Materials Removal Workers	36	43	7	19.4	1	1	2	n/a	10
47-4051	Highway Maintenance Workers	199	243	44	22.1	4	3	7	n/a	10
47-4061	Rail-Track Laying & Maint. Equipment Operators	*	*	*	*	*	*	*	n/a	10
47-4071	Septic Tank Servicers & Sewer Pipe Cleaners	*	*	*	*	*	*	*	n/a	10
47-4099	Construction & Related Workers, All Other	*	*	*	*	*	*	*	n/a	10
<b>47-5000</b>	<b>Extraction Workers</b>	<b>31</b>	<b>38</b>	<b>7</b>	<b>22.6</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>n/a</b>	<b>n/a</b>
47-5011	Derrick Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5012	Rotary Drill Operators, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5013	Service Unit Operators, Oil, Gas & Mining	*	*	*	*	*	*	*	n/a	10
47-5021	Earth Drillers, Ex. Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5031	Explosives Worker, Ordnance Handling & Blaster	*	*	*	*	*	*	*	n/a	10
47-5041	Continuous Mining Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5042	Mine Cutting & Channeling Machine Operators	*	*	*	*	*	*	*	n/a	10
47-5049	Mining Machine Operators, All Other	*	*	*	*	*	*	*	n/a	10
47-5051	Rock Splitters, Quarry	*	*	*	*	*	*	*	n/a	10
47-5061	Roof Bolters, Mining	*	*	*	*	*	*	*	n/a	10
47-5071	Roustabouts, Oil & Gas	*	*	*	*	*	*	*	n/a	10
47-5081	Helpers--Extraction Workers	*	*	*	*	*	*	*	n/a	11
47-5099	Extraction Workers, All Other	*	*	*	*	*	*	*	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Installation, Maintenance & Repair Occs.

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>49-0000</b>	<b>Installation, Maintenance &amp; Repair Occupations</b>	<b>4,806</b>	<b>5,102</b>	<b>296</b>	<b>6.2</b>	<b>34</b>	<b>109</b>	<b>143</b>	<b>16.65</b>	<b>n/a</b>
<b>49-1000</b>	<b>Supervisors of Installation, Maint. &amp; Repair</b>	<b>402</b>	<b>418</b>	<b>16</b>	<b>4.0</b>	<b>2</b>	<b>10</b>	<b>12</b>	<b>n/a</b>	<b>n/a</b>
49-1011	Mgrs. of Mechanics, Installers & Repairers	402	418	16	4.0	2	10	12	23.80	8
<b>49-2000</b>	<b>Electric. &amp; Electron. Equip. Mechanics, Installer</b>	<b>483</b>	<b>514</b>	<b>31</b>	<b>6.4</b>	<b>4</b>	<b>9</b>	<b>13</b>	<b>n/a</b>	<b>n/a</b>
49-2011	Computer, Auto. Teller & Office Machine Repairer	109	114	5	4.6	1	1	2	13.97	7
49-2021	Radio Mechanics	*	*	*	*	*	*	*	n/a	7
49-2022	Telecomm. Equip. Installers & Repairers	114	121	7	6.1	1	2	3	18.29	9
49-2091	Avionics Technicians	*	*	*	*	*	*	*	n/a	7
49-2092	Electric Motor, Power Tool & Related Repairers	*	*	*	*	*	*	*	n/a	7
49-2093	Electric. & Electron. Install & Repair, Transp.	*	*	*	*	*	*	*	n/a	7
49-2094	Electric. & Electron. Rep., Commercial & Industr.	113	102	-11	-9.7	0	3	3	20.02	7
49-2095	Electric. & Electron. Rep., Powerhouse, Substat.	*	*	*	*	*	*	*	n/a	7
49-2096	Electronic Equip. Install & Repair, Motor Vehicle	*	*	*	*	*	*	*	n/a	7
49-2097	Electronic Home Entertain. Equip. Install & Rep.	74	96	22	29.7	2	1	3	n/a	7
49-2098	Security & Fire Alarm Systems Installers	*	*	*	*	*	*	*	n/a	7
<b>49-3000</b>	<b>Vehicle &amp; Mobile Equip. Mechanics, Installers</b>	<b>1,364</b>	<b>1,484</b>	<b>120</b>	<b>8.8</b>	<b>13</b>	<b>36</b>	<b>49</b>	<b>n/a</b>	<b>n/a</b>
49-3011	Aircraft Mechanics & Service Technicians	*	*	*	*	*	*	*	n/a	7
49-3021	Automotive Body & Related Repairers	120	121	1	0.8	0	2	2	15.96	9
49-3022	Automotive Glass Installers & Repairers	*	*	*	*	*	*	*	n/a	9
49-3023	Automotive Service Technicians & Mechanics	564	622	58	10.3	6	15	21	14.03	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	279	323	44	15.8	4	7	11	11.53	7
49-3041	Farm Equipment Mechanics	*	*	*	*	*	*	*	9.68	7
49-3042	Mobile Heavy Equip. Mechanics, Ex. Engines	94	102	8	8.5	1	2	3	17.90	7
49-3043	Rail Car Repairers	*	*	*	*	*	*	*	n/a	9
49-3051	Motorboat Mechanics	60	71	11	18.3	1	2	3	n/a	9
49-3052	Motorcycle Mechanics	42	42	0	0.0	0	1	1	n/a	9
49-3053	Outdoor Power Equip. & Small Engine Mechanic	38	40	2	5.3	0	1	1	n/a	10
49-3091	Bicycle Repairers	*	*	*	*	*	*	*	n/a	10
49-3092	Recreational Vehicle Service Technicians	*	*	*	*	*	*	*	n/a	9
49-3093	Tire Repairers & Changers	99	95	-4	-4.0	0	4	4	8.19	11

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Installation, Maintenance & Repair Occs. (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	Percent	Average Annual 2004-2014 Growth Separations Total				
49-9000	Other Installation, Maintenance & Repair Occs.	2,557	2,686	129	5.0	15	54	69	n/a	n/a
49-9011	Mechanical Door Repairers	*	*	*	*	*	*	*	n/a	10
49-9012	Control & Valve Install & Repair, Ex. Mech. Door	32	30	-2	-6.3	0	1	1	18.45	10
49-9021	Heating, A.C. & Refrig. Mechanics & Installers	134	164	30	22.4	3	2	5	n/a	9
49-9031	Home Appliance Repairers	39	39	0	0.0	0	1	1	15.60	9
49-9041	Industrial Machinery Mechanics	310	315	5	1.6	1	6	7	19.58	9
49-9042	Maintenance & Repair Workers, General	1,358	1,419	61	4.5	6	26	32	15.12	10
49-9043	Maintenance Workers, Machinery	*	*	*	*	*	*	*	n/a	11
49-9044	Millwrights	39	34	-5	-12.8	0	1	1	21.03	9
49-9045	Refractory Materials Repairers, Ex. Brickmasons	*	*	*	*	*	*	*	n/a	10
49-9051	Electrical Power-Line Installers & Repairers	62	52	-10	-16.1	0	2	2	23.89	9
49-9052	Telecommunications Line Installers & Repairers	106	121	15	14.2	2	3	5	18.34	9
49-9061	Camera & Photographic Equipment Repairers	*	*	*	*	*	*	*	n/a	10
49-9062	Medical Equipment Repairers	39	49	10	25.6	1	1	2	13.50	6
49-9063	Musical Instrument Repairers & Tuners	*	*	*	*	*	*	*	n/a	9
49-9064	Watch Repairers	*	*	*	*	*	*	*	n/a	9
49-9069	Precision Instrument & Equip. Repairers, Other	46	44	-2	-4.3	0	1	1	n/a	10
49-9091	Coin, Vending & Amusement Mach. Serv. & Rep.	*	*	*	*	*	*	*	n/a	10
49-9092	Commercial Divers	*	*	*	*	*	*	*	n/a	10
49-9093	Fabric Menders, Ex. Garment	*	*	*	*	*	*	*	n/a	10
49-9094	Locksmiths & Safe Repairers	*	*	*	*	*	*	*	n/a	10
49-9095	Manufactured Building & Mobile Home Installers	*	*	*	*	*	*	*	n/a	10
49-9096	Riggers	*	*	*	*	*	*	*	n/a	11
49-9097	Signal & Track Switch Repairers	*	*	*	*	*	*	*	n/a	10
49-9098	Helpers--Installation, Maint. & Repair Workers	75	87	12	16.0	1	3	4	10.33	11
49-9099	Installation, Maint. & Repair Workers, All Other	215	217	2	0.9	0	5	5	24.33	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Production Occupations

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>51-0000 Production Occupations</b>		<b>10,373</b>	<b>10,429</b>	<b>56</b>	<b>0.5</b>	<b>43</b>	<b>257</b>	<b>300</b>	<b>14.45</b>	<b>n/a</b>
<b>51-1000</b>	<b>Supervisors, Production Workers</b>	<b>890</b>	<b>917</b>	<b>27</b>	<b>3.0</b>	<b>3</b>	<b>19</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>
51-1011	Mgrs. of Production & Operating	890	917	27	3.0	3	19	22	25.00	8
<b>51-2000</b>	<b>Assemblers &amp; Fabricators</b>	<b>2,439</b>	<b>2,437</b>	<b>-2</b>	<b>-0.1</b>	<b>3</b>	<b>63</b>	<b>66</b>	<b>n/a</b>	<b>n/a</b>
51-2011	Aircraft Structure, Surface, Rig & Sys. Assemb.	*	*	*	*	*	*	*	n/a	9
51-2021	Coil Winders, Tapers & Finishers	*	*	*	*	*	*	*	n/a	11
51-2022	Electrical & Electronic Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2023	Electromechanical Equipment Assemblers	*	*	*	*	*	*	*	n/a	11
51-2031	Engine & Other Machine Assemblers	*	*	*	*	*	*	*	n/a	11
51-2041	Structural Metal Fabricators & Fitters	35	41	6	17.1	1	1	2	n/a	10
51-2091	Fiberglass Laminators & Fabricators	*	*	*	*	*	*	*	12.31	10
51-2092	Team Assemblers	1,751	1,746	-5	-0.3	0	45	45	9.41	10
51-2093	Timing Device Assemblers, Adjust. & Calibrators	*	*	*	*	*	*	*	n/a	10
51-2099	Assemblers & Fabricators, All Other	*	*	*	*	*	*	*	8.10	10
<b>51-3000</b>	<b>Food Processing Workers</b>	<b>797</b>	<b>884</b>	<b>87</b>	<b>10.9</b>	<b>9</b>	<b>18</b>	<b>27</b>	<b>n/a</b>	<b>n/a</b>
51-3011	Bakers	60	70	10	16.7	1	1	2	7.66	9
51-3021	Butchers & Meat Cutters	71	65	-6	-8.5	0	2	2	10.81	9
51-3022	Meat, Poultry & Fish Cutters & Trimmers	544	622	78	14.3	8	12	20	9.85	11
51-3023	Slaughterers & Meat Packers	*	*	*	*	*	*	*	n/a	10
51-3091	Food & Tobacco Roast., Baking, Dry. Mach. Ops.	*	*	*	*	*	*	*	n/a	11
51-3092	Food Batchmakers	81	84	3	3.7	0	2	2	n/a	11
51-3093	Food Cooking Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	11
<b>51-4000</b>	<b>Metal Workers &amp; Plastic Workers</b>	<b>1,698</b>	<b>1,814</b>	<b>116</b>	<b>6.8</b>	<b>13</b>	<b>41</b>	<b>54</b>	<b>n/a</b>	<b>n/a</b>
51-4011	Computer-Controlled Machine Tool Operators	*	*	*	*	*	*	*	14.28	10
51-4012	Numerical Tool & Process Control Programmers	*	*	*	*	*	*	*	n/a	9
51-4021	Extruding & Drawing Machine SOT^	86	87	1	1.2	0	3	3	n/a	10
51-4022	Forging Machine SOT^, Metal & Plastic	155	174	19	12.3	2	2	4	n/a	10
51-4023	Rolling Machine SOT^, Metal & Plastic	*	*	*	*	*	*	*	8.59	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-4031	Cutting, Punching & Press Machine SOT^	98	86	-12	-12.2	0	2	2	13.17	10
51-4032	Drilling & Boring Machine Tool SOT^	*	*	*	*	*	*	*	n/a	10
51-4033	Grind., Lapping, Polish. & Buff. Mach. Tool SOT^	90	96	6	6.7	1	2	3	n/a	10
51-4034	Lathe & Turning Machine Tool SOT^	*	*	*	*	*	*	*	n/a	10
51-4035	Milling & Planing Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4041	Machinists	206	215	9	4.4	1	5	6	17.56	9
51-4051	Metal-Refining Furnace Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-4052	Pourers & Casters, Metal	*	*	*	*	*	*	*	n/a	10
51-4061	Model Makers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4062	Patternmakers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4071	Foundry Mold & Coremakers	*	*	*	*	*	*	*	n/a	10
51-4072	Molding, Coremaking & Casting Machine SOT^	198	214	16	8.1	2	5	7	13.45	10
51-4081	Multiple Machine Tool SOT^, Metal & Plastic	134	159	25	18.7	3	4	7	n/a	10
51-4111	Tool & Die Makers	*	*	*	*	*	*	*	n/a	9
51-4121	Welders, Cutters, Solderers & Brazers	335	368	33	9.9	3	10	13	13.37	9
51-4122	Welding, Soldering & Brazing Machine SOT^	104	113	9	8.7	1	3	4	10.74	10
51-4191	Heat Treating Equipment SOT^, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4192	Lay-Out Workers, Metal & Plastic	*	*	*	*	*	*	*	n/a	10
51-4193	Plating & Coating Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-4194	Tool Grinders, Filers & Sharpeners	*	*	*	*	*	*	*	n/a	10
51-4199	Metal Workers & Plastic Workers, All Other	*	*	*	*	*	*	*	n/a	10
51-5000	Printing Workers	260	234	-26	-10.0	0	6	6	n/a	n/a
51-5011	Bindery Workers	41	35	-6	-14.6	0	1	1	9.03	11
51-5012	Bookbinders	*	*	*	*	*	*	*	n/a	10
51-5021	Job Printers	*	*	*	*	*	*	*	n/a	9
51-5022	Prepress Technicians & Workers	64	57	-7	-10.9	0	2	2	12.20	7
51-5023	Printing Machine Operators	135	122	-13	-9.6	0	3	3	12.11	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-6000	Textile, Apparel & Furnishings Workers	296	290	-6	-2.0	1	7	8	n/a	n/a
51-6011	Laundry & Dry-Cleaning Workers	157	164	7	4.5	1	4	5	7.93	10
51-6021	Pressers, Textile, Garment & Related Materials	55	55	0	0.0	0	1	1	7.15	11
51-6031	Sewing Machine Operators	*	*	*	*	*	*	*	8.32	10
51-6041	Shoe & Leather Workers & Repairers	*	*	*	*	*	*	*	n/a	9
51-6042	Shoe Machine Operators & Tenders	*	*	*	*	*	*	*	n/a	10
51-6051	Sewers, Hand	*	*	*	*	*	*	*	n/a	11
51-6052	Tailors, Dressmakers & Custom Sewers	*	*	*	*	*	*	*	n/a	9
51-6061	Textile Bleaching & Dyeing Mach. Ops. & Tends.	*	*	*	*	*	*	*	n/a	10
51-6062	Textile Cutting Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6063	Textile Knitting & Weaving Machine SOT^	*	*	*	*	*	*	*	n/a	9
51-6064	Textile Winding, Twist. & Draw. Out Mach. SOT^	*	*	*	*	*	*	*	n/a	10
51-6091	Extruding & Forming Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-6092	Fabric & Apparel Patternmakers	*	*	*	*	*	*	*	n/a	9
51-6093	Upholsterers	*	*	*	*	*	*	*	n/a	9
51-6099	Textile, Apparel & Furnishings Workers, Other	*	*	*	*	*	*	*	n/a	11
51-7000	Woodworkers	172	186	14	8.1	2	5	7	n/a	n/a
51-7011	Cabinetmakers & Bench Carpenters	44	52	8	18.2	1	1	2	n/a	9
51-7021	Furniture Finishers	*	*	*	*	*	*	*	n/a	9
51-7031	Model Makers, Wood	*	*	*	*	*	*	*	n/a	9
51-7032	Patternmakers, Wood	*	*	*	*	*	*	*	n/a	9
51-7041	Sawing Machine SOT^, Wood	48	47	-1	-2.1	0	1	1	13.77	10
51-7042	Woodworking Machine SOT^	*	*	*	*	*	*	*	n/a	10
51-7099	Woodworkers, All Other	40	45	5	12.5	1	1	2	n/a	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-8000	Plant & System Operators	712	588	-124	-17.4	2	21	23	n/a	n/a
51-8012	Power Distributors & Dispatchers	*	*	*	*	*	*	*	n/a	9
51-8013	Power Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8021	Stationary Engineers & Boiler Operators	73	73	0	0.0	0	1	1	17.37	9
51-8031	Water & Liquid Waste Treat. Plant & Sys. Ops.	89	103	14	15.7	1	3	4	12.78	9
51-8091	Chemical Plant & System Operators	472	344	-128	-27.1	0	15	15	21.52	9
51-8092	Gas Plant Operators	*	*	*	*	*	*	*	n/a	9
51-8093	Petroleum Pump System Ops., Refinery Ops.	*	*	*	*	*	*	*	n/a	9
51-8099	Plant & System Operators, All Other	*	*	*	*	*	*	*	n/a	9
51-9000	Other Production Occupations	3,109	3,079	-30	-1.0	11	78	89	n/a	n/a
51-9011	Chemical Equipment Operators & Tenders	282	236	-46	-16.3	0	9	9	24.65	10
51-9012	Separate, Filter, Clarify, & Still Machine Ops.	*	*	*	*	*	*	*	n/a	10
51-9021	Crush, Grind & Polish Machine Setters & Ops.	*	*	*	*	*	*	*	n/a	10
51-9022	Grinding & Polishing Workers, Hand	*	*	*	*	*	*	*	9.77	10
51-9023	Mixing & Blending Machine SOT^	172	173	1	0.6	0	5	5	16.82	10
51-9031	Cutters & Trimmers, Hand	*	*	*	*	*	*	*	n/a	11
51-9032	Cutting & Slicing Machine SOT^	130	138	8	6.2	1	3	4	n/a	10
51-9041	Extruding, Form, Press & Compact Mach. Ops.	154	150	-4	-2.6	0	4	4	*	10
51-9051	Furnace, Kiln, Oven, Drier & Kettle Ops. & Tend.	95	93	-2	-2.1	0	2	2	n/a	10
51-9061	Inspector, Tester, Sorter, Sampler & Weigher	460	458	-2	-0.4	0	11	11	17.29	10
51-9071	Jewelers & Precious Stone & Metal Workers	*	*	*	*	*	*	*	n/a	7
51-9081	Dental Laboratory Technicians	*	*	*	*	*	*	*	n/a	9
51-9082	Medical Appliance Technicians	*	*	*	*	*	*	*	n/a	9
51-9083	Ophthalmic Laboratory Technicians	*	*	*	*	*	*	*	n/a	10
51-9111	Packaging & Filling Machine Ops. & Tenders	390	371	-19	-4.9	0	8	8	11.84	11
51-9121	Coating, Painting & Spraying Machine SOT^	62	68	6	9.7	1	2	3	n/a	10
51-9122	Painters, Transportation Equipment	32	35	3	9.4	0	1	1	n/a	9
51-9123	Painting, Coating & Decorating Workers	*	*	*	*	*	*	*	n/a	11
51-9131	Photographic Process Workers	*	*	*	*	*	*	*	n/a	10
51-9132	Photographic Processing Machine Operators	61	45	-16	-26.2	0	2	2	8.98	11

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Occupational Employment Outlook

### Production Occupations (cont'd)

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual 2004-2014				
						Growth	Separations	Total		
51-9191	Cementing & Gluing Machine Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9192	Cleaning, Washing & Metal Pickling Equip. Ops.	*	*	*	*	*	*	*	n/a	10
51-9193	Cooling & Freezing Equipment Ops. & Tenders	*	*	*	*	*	*	*	n/a	10
51-9194	Etchers & Engravers	*	*	*	*	*	*	*	n/a	9
51-9195	Molders, Shapers & Casters, Ex. Metal & Plastic	39	44	5	12.8	1	1	2	10.55	10
51-9196	Paper Goods Machine SOT^	38	41	3	7.9	0	1	1	13.98	10
51-9197	Tire Builders	*	*	*	*	*	*	*	n/a	10
51-9198	Helpers--Production Workers	587	653	66	11.2	7	17	24	12.19	11
51-9199	Production Workers, All Other	291	249	-42	-14.4	0	7	7	16.32	10

\* Employment under 30 and unreliable data suppressed      n/a - Not Available      ~ Education/Training Required Codes- Page 76      ^SOT - Setters, Operators & Tenders  
 Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch



# Purchase Area

## Transportation & Material Moving Occs.

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average Wage 2005	Educ/ Training Req'd~
Code	Title	2004 Estimated	2014 Projected	2004-2014 Number	2004-2014 Percent	Average Annual Growth	2004-2014 Separations	2004-2014 Total		
<b>53-0000 Transportation &amp; Material Moving Occupations</b>		<b>9,460</b>	<b>10,388</b>	<b>928</b>	<b>9.8</b>	<b>98</b>	<b>215</b>	<b>313</b>	<b>13.55</b>	<b>n/a</b>
<b>53-1000</b>	<b>Supervisors, Transp. &amp; Material Moving Work.</b>	<b>335</b>	<b>376</b>	<b>41</b>	<b>12.2</b>	<b>4</b>	<b>8</b>	<b>12</b>	<b>n/a</b>	<b>n/a</b>
53-1011	Aircraft Cargo Handling Supervisors	*	*	*	*	*	*	*	n/a	8
53-1021	Mgrs. of Helpers, Laborers & Mat. Movers, Hand	133	147	14	10.5	1	3	4	16.88	8
53-1031	Mgrs. of Transp., Material-Moving & Vehicle Ops.	202	229	27	13.4	3	5	8	19.55	8
<b>53-2000</b>	<b>Air Transportation Workers</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>n/a</b>	<b>n/a</b>
53-2011	Airline Pilots, Copilots & Flight Engineers	*	*	*	*	*	*	*	n/a	5
53-2012	Commercial Pilots	*	*	*	*	*	*	*	n/a	7
53-2021	Air Traffic Controllers	*	*	*	*	*	*	*	n/a	9
53-2022	Airfield Operations Spec.	*	*	*	*	*	*	*	n/a	9
<b>53-3000</b>	<b>Motor Vehicle Operators</b>	<b>4,471</b>	<b>5,199</b>	<b>728</b>	<b>16.3</b>	<b>73</b>	<b>69</b>	<b>142</b>	<b>n/a</b>	<b>n/a</b>
53-3011	Ambulance Drivers & Attendants, Ex. EMTs	*	*	*	*	*	*	*	n/a	10
53-3021	Bus Drivers, Transit & Intercity	143	171	28	19.6	3	3	6	9.58	10
53-3022	Bus Drivers, School	394	450	56	14.2	6	9	15	11.41	11
53-3031	Driver/Sales Workers	362	406	44	12.2	4	6	10	11.94	11
53-3032	Truck Drivers, Heavy & Tractor-Trailer	2,652	3,100	448	16.9	45	43	88	15.92	10
53-3033	Truck Drivers, Light or Delivery Services	842	971	129	15.3	13	8	21	11.19	11
53-3041	Taxi Drivers & Chauffeurs	56	74	18	32.1	2	1	3	n/a	11
53-3099	Motor Vehicle Operators, All Other	*	*	*	*	*	*	*	n/a	11
<b>53-4000</b>	<b>Rail Transportation Workers</b>	<b>112</b>	<b>88</b>	<b>-24</b>	<b>-21.4</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>n/a</b>	<b>n/a</b>
53-4011	Locomotive Engineers	*	*	*	*	*	*	*	n/a	10
53-4012	Locomotive Firers	*	*	*	*	*	*	*	n/a	10
53-4013	Rail Yard Engineers, Dinkey Ops. & Hostlers	*	*	*	*	*	*	*	n/a	10
53-4021	Railroad Brake, Signal & Switch Operators	*	*	*	*	*	*	*	n/a	10
53-4031	Railroad Conductors & Yardmasters	*	*	*	*	*	*	*	n/a	10
53-4099	Rail Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	10
<b>53-5000</b>	<b>Water Transportation Workers</b>	<b>776</b>	<b>784</b>	<b>8</b>	<b>1.0</b>	<b>1</b>	<b>26</b>	<b>27</b>	<b>n/a</b>	<b>n/a</b>
53-5011	Sailors & Marine Oilers	490	485	-5	-1.0	0	17	17	15.03	11
53-5021	Captains, Mates & Pilots of Water Vessels	233	239	6	2.6	1	7	8	24.09	8
53-5022	Motorboat Operators	*	*	*	*	*	*	*	n/a	10
53-5031	Ship Engineers	*	*	*	*	*	*	*	n/a	7

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

~ Education/Training Required Codes- Page 76

Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

# Purchase Area

## Transportation & Material Moving Occs. (cont'd)

# Occupational Employment Outlook

Occupational		Employment*		Change		Job Openings			Average	Educ/
		2004	2014	2004-2014		Average Annual 2004-2014			Wage	Training
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2005	Req'd~
<b>53-6000</b>	<b>Other Transportation Workers</b>	<b>110</b>	<b>107</b>	<b>-3</b>	<b>-2.7</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>n/a</b>	<b>n/a</b>
53-6011	Bridge & Lock Tenders	*	*	*	*	*	*	*	n/a	11
53-6021	Parking Lot Attendants	*	*	*	*	*	*	*	n/a	11
53-6031	Service Station Attendants	71	72	1	1.4	0	3	3	8.62	11
53-6041	Traffic Technicians	*	*	*	*	*	*	*	n/a	11
53-6051	Transportation Inspectors	*	*	*	*	*	*	*	n/a	8
53-6099	Transportation Workers, All Other	*	*	*	*	*	*	*	n/a	11
<b>53-7000</b>	<b>Material Moving Workers</b>	<b>3,642</b>	<b>3,817</b>	<b>175</b>	<b>4.8</b>	<b>20</b>	<b>103</b>	<b>123</b>	<b>n/a</b>	<b>n/a</b>
53-7011	Conveyor Operators & Tenders	87	100	13	14.9	1	3	4	n/a	11
53-7021	Crane & Tower Operators	96	102	6	6.3	1	2	3	n/a	9
53-7031	Dredge Operators	*	*	*	*	*	*	*	n/a	10
53-7032	Excavating & Loading Machine & Dragline Ops.	131	151	20	15.3	2	4	6	15.19	10
53-7033	Loading Machine Ops., Underground Mining	*	*	*	*	*	*	*	n/a	10
53-7041	Hoist & Winch Operators	*	*	*	*	*	*	*	n/a	10
53-7051	Industrial Truck & Tractor Operators	573	616	43	7.5	4	11	15	15.31	11
53-7061	Cleaners of Vehicles & Equipment	226	231	5	2.2	1	8	9	9.46	11
53-7062	Laborer & Freight, Stock & Material Mover, Hand	1,958	2,055	97	5.0	10	64	74	10.47	11
53-7063	Machine Feeders & Offbearers	123	113	-10	-8.1	0	3	3	15.06	11
53-7064	Packers & Packagers, Hand	333	342	9	2.7	1	6	7	7.41	11
53-7071	Gas Compressor & Gas Pumping Station Ops.	*	*	*	*	*	*	*	n/a	10
53-7072	Pump Operators, Ex. Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7073	Wellhead Pumpers	*	*	*	*	*	*	*	n/a	10
53-7081	Refuse & Recyclable Material Collectors	76	78	2	2.6	0	2	2	n/a	11
53-7111	Shuttle Car Operators	*	*	*	*	*	*	*	n/a	11
53-7121	Tank Car, Truck & Ship Loaders	*	*	*	*	*	*	*	n/a	10
53-7199	Material Moving Workers, All Other	*	*	*	*	*	*	*	n/a	10

\* Employment under 30 and unreliable data suppressed

n/a - Not Available

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Source: Kentucky Education Cabinet, Department for Workforce Investment, Office of Employment and Training, Research and Statistics Branch

## Educational/Training Classifications

Occupations are classified into 11 categories and listed according to these principles:

An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.

Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.

The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a postsecondary award generally is needed for entry.

### Postsecondary awards

**(1) First professional degree.** Completion of the degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

**(2) Doctoral degree.** Completion of a Ph.D. or other doctoral degree usually requires at least three years of full-time academic study beyond a bachelor's degree.

**(3) Master's degree.** Completion of the degree usually requires one or two years of full time academic study beyond a bachelor's degree.

**(4) Bachelor's or higher degree, plus work experience.** Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

**(5) Bachelor's degree.** Completion of the degree generally requires at least four years, but not more than five years, of full-time academic study.

**(6) Associate's degree.** Completion of the degree usually requires at least two years of full-time academic study.

**(7) Postsecondary vocational awards.** Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

### Work-related training

**(8) Work experience in a related occupation.** Many occupations requiring work experience are managers of service, sales and related, production, or other occupations, or are management occupations.

**(9) Long-term, on-the-job training.** More than 12 months of on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to five years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations - insurance sales and securities sales, for example - trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability - such as that possessed by musicians, athletes, actors, and other entertainers - that must be cultivated over several years, frequently in a nonwork setting.

**(10) Moderate-term, on-the-job training.** Skills needed to be fully qualified can be acquired during one to twelve months of combined on-the-job experience and informal training.

**(11) Short-term, on-the-job training.** Skills needed to be fully qualified can be acquired during a short demonstration of job duties or during one month or less of on-the-job experience or instruction.

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Adult Literacy, Remedial Education, & GED Teachers & Instructors	23
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